IMP. INST. ENT.
— LIBRARY —
- 6 JUL 1942
U.S.A. 69

INDEX
TO
FARMERS' BULLETINS

Nos. 1501–1750

UNITED STATES
DEPARTMENT OF AGRICULTURE
WASHINGTON, D. C.

UNITED STATES
DEPARTMENT OF AGRICULTURE

INDEX

TO

FARMERS' BULLETINS

Nos. 1501–1750

Compiled by

MABEL HUNT DOYLE

In Charge, Indexing Section
Division of Publications, Office of Information
United States Department of Agriculture

UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON : 1941

INDEX TO FARMERS' BULLETINS NOS. 1501-1750

Two numbers joined by a dash, as 1-15, indicate that the subject is treated continuously throughout the pages noted. The references are to first editions of the bulletins and revisions. Revised editions sometimes have the paging changed, but usually the passage may be found without much delay.

	Farmers' Bulletin No.	Page
Abortion, infectious—		
(Bang's disease). John M. Buck	1704	1–17
cause, symptoms, and treatment	1536	1–14
in cattle. John M. Buck	1536	1–14
in horses, sheep, and swine, causes and control	1704	15–16
in livestock, discussion	1536	14
Accounts, farm, use of budget	1564	1–22
	[1] 1564	1–22
Adair, H. S.: Insects of the Pecan and How to Combat Them. With G. F. Moznette and T. L. Bissell	1654	1–60
Adobe for farm buildings. T. A. H. Miller	1720	1–18
Afterbirth, retention by cows, effects and removal	1704	14–15
Age, animals, determination by teeth. George W. Pope	1721	1–14
Agriculture, study, insect collection and preservation for. Margaret C. Mansuy	1601	1–19
Agriculture, Department of, control of gypsy and brown-tail moths	1623	31–32
Agriculture, Temple of, erection, costs, and uses	1622	26–28
Air drainage—		
explanation, and factors affecting	1588	3–4
importance in fruit growing	1522	5–6
Airplane dusting of cotton, practices and advantages	1729	12–14
Alabama—		
and Mississippi, Black Prairie Belt, preparing Johnson hay for market in. M. A. Crosby	1574	1–20
Black Prairie Belt, livestock farming systems. M. A. Crosby and R. D. Jennings	1546	1–34
fur laws—		
1926–27	1515	6
1927–28	1552	5
1928–29	1576	5
1929–30	1618	7
1930–31	1648	6
1931–32	1685	6
game laws—		
1926–27	1505	10, 42
1927–28	1550	12, 44
1928–29	1575	11
1929–30	1616	9, 43
1930–31	1647	9–10, 43
1931–32	1684	13, 49
1933–34	1717	11
1934–35	1742	8
Alaska—		
fur laws—		
1926–27	1515	4, 6–8
1927–28	1552	5–6
1928–29	1576	4, 5–7
1929–30	1618	7–9
1930–31	1648	2–3, 7–8
1931–32	1685	6–8

[1] Revised.

	Farmers' Bulletin No.	Page
Alaska—Continued.		
game laws—		
1926–27	1505	4–5, 9, 10–11, 42
1927–28	1550	12–13, 44
1928–29	1575	11–12
1929–30	1616	8, 10–11, 43
1930–31	1647	10–11, 43
1931–32	1684	13–14, 49
1933–34	1717	11–12
1934–35	1742	7, 9
Alberta—		
fur laws—		
1926–27	1515	22
1927–28	1552	22
1928–29	1576	22–23
1929–30	1618	25–26
1930–31	1648	25
1931–32	1685	6–8
game laws—		
1926–27	1505	37, 45
1927–28	1550	38–39
1928–29	1575	38
1929–30	1616	37–38
1930–31	1647	37–38
Alder trees, removal method	1526	11
Alfalfa—		
common, introduction, types, and strains	1731	2–5
crop, national importance and needs	[1] 1539	1–2
cultivation for control of clover-seed chalcid	1642	8–9
cutting time, effect on grade	1539	5–7
damage by alfalfa weevil	1528	4–6, 8–9
description, history, acreage, and varieties	1722	1–5
diseases and pests	1722	27–30
effect on succeeding crop	1511	9
growing—		
H. L. Westover	1722	1–30
in various sections, and cultivation, recommendations	1722	17–23
irrigation practices. Samuel Fortier	1630	1–26
irrigation practices. Samuel Fortier, Harry F. Blaney, Leslie Bowen, Paul A. Ewing, M. R. Lewis, James C. Marr, R. L. Parshall, and A. A. Young	[1] 1630	1–27
harvesting equipment and methods	1525	22–24
hay. *See* Hay, alfalfa.		
high-grade, prices at Kansas City	1539	2
irrigating, practices and methods	[1] 1630	8–21
irrigation—		
farm systems and ditches	1630	4–7
methods, description	1630	7–21
number and frequency	[1] 1630	24–45
mills, work	[1] 1535	16
nonhardy group, characteristics and strains	1731	11–12
nurse crop, value	1511	10–11
planting, cultivation, and yield	1511	7–13
root growth and food requirements	1630	1–2
roots, description and distribution	[1] 1630	1–3
rotation with sugar beets for control of nematode	1514	11–13, 16, 17
seed—		
buying, and climatic and soil requirements	1722	5–12
harvesting methods	1511	12
host of clover-seed chalcid larvae	1642	7, 8
injury by clover-seed chalcid	1642	1, 3–5
production, chalcid control. V. L. Wildermuth	1642	1–14
purchasing, safeguards	1731	13

[1] Revised.

	Farmers' Bulletin No.	Page
Alfalfa—Continued.		
soil and climatic requirements	1630	1
sowing, recommendations	1722	12–17
spraying for weevil, time and equipment	1528	11–22
Turkistan group, characteristics and strains	1731	5–6
types adapted to various sections	1731	12–13
uses, description	1722	25–26
value as summer green-manure crop	1750	9–10
variegated group, origin, characteristics, and strains	1731	7–11
varieties in United States. H. L. Westover	1731	1–14
water requirements	1630	21–25
	[1] 1630	22–24
weevil—		
control. George I. Reeves	1528	1–22
description and life history	1528	1–7
destruction by birds	1682	2
introduction and spread	1528	7–8, 10–11
natural enemies	1528	11
range and control	1722	29
yellow-flowered group, characteristics	1731	12
Alkali disease, similarity to trembles	1593	7
Alkaline washes, efficacy in cleaning fruit	1687	7, 12–13, 18, 20–21
Almonds, propagation methods	1501	42
Alternaria atrans, cause of sunburn on soybeans	1520	31
Ambrosia beetles—		
damage to log cabins, rustic work, and unseasoned wood	1582	4, 14
	[1] 1582	4, 14
seasonal activity	1582	11
	[1] 1582	11
Anaplasmosis, in cattle, symptoms and distinction from tick fever	1625	22–23
Animal(s)—		
farm, age, determination by their teeth. George W. Pope	1721	1–14
fur-bearing, laws. *See* Fur laws.		
pests, control in shelterbelts of Northwest	1603	22–24
predatory, danger to poultry	1524	27
Ant, red harvester—		
and how to subdue it. V. L. Wildermuth and E. G. Davis	1668	1–22
control measures, recommendations	1668	12–21
description, life history, and habits	1668	3–5
food and food storage habits	1668	11–12
nest structure and colony activities	1668	5–11
range and damage	1668	1–3
Anthracnose—		
cause of red clover failure	1510	1–18
conditions affecting spread	1510	7
of cotton, symptoms, cause, and control	1745	18–19
of cucumbers, symptoms and control	[1] 1563	18
of peas, cause, description, and spread	1735	21
of soybeans, cause and symptoms	1520	31
	[1] 1520	37
symptoms and resistance by red clover	1510	3
Anthrax—		
W. S. Gochenour	1736	1–14
control, prevention, and treatment	1736	9–14
distribution and seasonal occurrence	1736	2–3
in cattle, symptoms and distinction from tick fever	1625	22
infection and dissemination	1736	3–4
losses, cause, and history	1736	1–2
symptoms, anatomical changes, and diagnosis	1736	4–9
Apartments, fumigation with hydrocyanic acid gas	1670	4
Aphanomyces euteiches, cause of pear root rot	1735	14

[1] Revised.

	Farmers' Bulletin No.	Page
Aphid(s)—		
black-margined, description and habits	1654	39–40
damage to lettuce and control	1609	22
	[1] 1609	22
description and control remedies	1746	15
See also under hosts.		
Apoplectiform septicemia, of poultry, cause, symptoms, and control	[1] 1652	16
Apple(s)—		
and pears, removing spray residue from. H. C. Diehl, J. M. Lutz, and A. L. Ryall	1687	1–32
aphids, control by mixture of emulsion with nicotine sprays	1676	17–18
cleaning—		
methods	1687	5–21
relation to spraying practices and maturity	1687	2–5
containers, description and standards	1579	2–4
diseases and insect pests, description and control	[1] 1746	51
dry cleaning, inefficiency	1687	5–6
frost—		
damage, temperature study	1588	44–51
marking, description and prevention	1588	50–51
	[1] 1588	52–53
grading and packing	1695	6–22, 34
growing on northern Great Plains	[1] 1522	35–40
harvesting, recommendations	1695	2–5
hauling, car loading, cold storage, and inspection	1695	32–34
insects, control measures	1666	35–36, 37–38, 43–44, 63–73
keeping quality, effect of cleaning methods	1687	19–21
marketing by parcel post, recommendations	[1] 1551	18–19
packing houses, operation and equipment	1695	22–31
preparation for market in barrels and baskets. R. R. Pailthorp and J. W. Park	1695	1–34
shipping containers, description	[1] 1579	2–4
spraying schedule	1666	71–73
storage facilities	1695	33–34
tree borer, control	1666	32–35
tree borer, flat-headed, injury to pecans, description, control, and habits	1654	42–46
value as subsistence crop	1746	49–50
	[1] 1746	49–50
varieties for growing on Northern Great Plains	1522	31–32
washing equipment, construction and costs	1687	22–31
worm. *See* Codling moth.		
Apricots—		
growing on northern Great Plains	[1] 1522	46
shipping containers, description	1579	29–30
	[1] 1579	28–29
Arizona—		
fur laws—		
1926–27	1515	8
1927–28	1552	6–7
1928–29	1576	7
1929–30	1618	9
1930–31	1648	8
1931–32	1685	8
game laws—		
1926–27	1505	11, 42
1927–28	1550	13, 44
1928–29	1575	12–13
1929–30	1616	11, 43
1930–31	1647	11, 43
1931–32	1684	14–15, 49
1933–34	1717	12
1934–35	1742	9–10

[1] Revised.

	Farmers' Bulletin No.	Page
Arizona—Continued.		
potatoes, production centers	1639	12
Arkansas—		
fur laws—		
1926–27	1515	8
1927–28	1552	7
1928–29	1576	4, 7
1929–30	1618	9
1930–31	1648	5, 9
1931–32	1658	8
game laws—		
1926–27	1505	7, 8, 11–12, 42
1927–28	1550	13–14, 44
1928–29	1575	13
1929–30	1616	11, 43
1930–31	1647	11–12, 43
1931–32	1684	15, 49
1933–34	1717	12
1934–35	1742	10
Arlington Farm, experiments with anthracnose on clover	1510	9–10
Armyworm(s)—		
damage to soybeans, and control	1520 [1] 1520	27–28 32
fall—		
description and damage	1619	38
pest on cotton, control measures	1688	20–22
Arnold, C. R.: Farm Practices Under Corn-Borer Conditions. Jesse W. Tapp and George W. Collier	1562	1–21
Arsenate, lead, form and use	1527	14
Arsenic—		
effect on livestock, poisoning symptoms	1528	21–22
use in grasshopper control	1691 [1] 1691	7–11 9–14
Arsenicals—		
preparation and use against orchard insects	1666	6–9, 34
use against cotton bollworm	1595	11–13
Art principles, application to window curtaining	1633	1–7
Artichokes—		
marketing by parcel post, recommendations	1551	24
shipping containers, description	1579 [1] 1579	4 4
See also Jerusalem-artichoke.		
Ascaridia—		
columbae, in pigeons, treatment	1652	52
lineata, life history and prevention	1652	50–51
Ascochyta blight of—		
cotton, range, symptoms, and cause	1745	28–29
peas, description, cause, and control	1735	5–7
Ashbrook, Frank G.—		
Fur Laws for the Season 1926–27. With Frank L. Earnshaw	1515	1–28
Fur Laws for the Season 1927–28. With Frank L. Earnshaw and Frank G. Grimes	1552	1–28
Rabbit Production. With Chas. E. Kellogg	1730	1–38
Rabbit Production. With Geo. S. Templeton and Chas. E. Kellogg	[1] 1730	1–49
Ashby, Wallace—		
Farmhouse Plans	1738	1–70
Fire Safeguards for the Farm. With V. N. Valgren, Harry E. Roethe, M. C. Betts, William H. Rowe, and Wilbur R. Mattoon	1643	1–30
Modernizing Farmhouses. With Walter H. Nash	1749	1–62
Plowing With Moldboard Plows. With A. H. Glaves	1690	1–22
Asia, corn borer damage	[1] 1548	15
Asmus, Henry: Farm Horseshoeing. With J. O. Williams	1535	1–13

[1] Revised.

	Farmers' Bulletin No.	Page
Asparagus—		
acreage extent	1646	1
	[1] 1646	1
beetle, life history, damage, and control	1646	22–23
	[1] 1646	23–24
climatic and soil requirements	1646	1–5, 7
	[1] 1646	1–2, 15
crowns, growing and handling	[1] 1646	7–9
cultivation and care	1646	10–15
	[1] 1646	11–14
culture—		
Ross C. Thompson	1646	1–25
	[1] 1646	1–26
in farm garden	1673	28–29
	[1] 1673	28–29
cutting season, length	1646	13–14
	[1] 1646	14–15
diseases and insect pests, study	1646	19–24
fertilizers for	1646	2–5
	[1] 1646	2–5
grading for market	1646	16–17
	[1] 1646	17–20
growing, profits, factors affecting	1646	14–15
	[1] 1646	15
harvesting	1646	15–16
	[1] 1646	16
marketing by parcel post	[1] 1551	24–25
planting, practices and recommendations	1646	7–10
	[1] 1646	9–11
preparation for market	1646	16–19
	[1] 1646	16–20
rust, description and control	1646	19–22
	[1] 1646	20–23
rust-resistant strains, development	1646	6
	[1] 1646	6
shipping containers, description	1579	4–6
	[1] 1579	4–6
varieties, description and value	1646	5–6
	[1] 1646	5–7
Aspergillosis in poultry, cause, symptoms, and prevention	1652	13–14
	[1] 1652	22–23
Associations, livestock shipping, cooperative	1502	1–27
Automobiles, fire hazards and precautions	[1] 1678	6
Avocados, shipping containers, description	1579	6
	[1] 1579	6
Bacillus—		
abortivo-equinus, infection control	1704	15
abortus, location and transmission	1536	3–5
anthracis, cause of anthrax	1736	1–2
Back, E. A.—		
Hydrocyanic Acid Gas as a Fumigant for Destroying Household Insects. With R. T. Cotton	1670	1–21
The Control of Moths in Upholstered Furniture. With R. T. Cotton	1655	1–33
	[1] 1655	1–33
The Silverfish as a Pest of the Household	1665	6
Bacterial—		
blight of—		
beans, cause, symptoms, and control	[1] 1509	12–13
soybean, cause and description	1520	29
	[1] 1520	34
pustule of soybeans, cause, symptoms, and distribution	[1] 1520	34
stripe, of sorgo, occurrence and description	1619	36
wilt of cucumbers, occurrence, cause, and control	[1] 1563	17
Badger, open season, laws, 1931–32	1685	4

[1] Revised.

	Farmers' Bulletin No.	Page
BAIRD, W. P.: The Home Fruit Garden on the Northern Great Plains	1522	1–49
	[1] 1522	1–54
Bait(s), poison—		
for mole cricket, preparation, use, and cost	1561	6–8
for rats, recommendations	1533	6–7
	[1] 1533	14–15
for wild animal pests, recommendations	[1] 1603	22–24
formulas for use against pocket gophers	1709	10–15
use in—		
control of tobacco budworm	[1] 1531	5–9
grasshopper control, recommendations	1691	7–11
	[1] 1691	7–14
insect control	1666	37–38
BAKER, W. A.: The Sorghum Midge, With Suggestions for Control. With C. H. Gable and L. C. Woodruff	1566	1–10
Baling—		
broomcorn, methods	1631	24–26
hay, remarks	1525	15–16
Bang's disease—		
(infectious abortion). John M. Buck	1704	1–17
nature and cause	1704	1–3
symptoms and diagnosis	1704	6–8
treatment, prevention, and eradication	1704	8–13
See also Abortion, infectious.		
Bantam chickens—		
kinds and weights	1507	22–30
raising	1508	14–16
	[1] 1508	14–15
See also under chickens.		
BARBER, GEORGE W.: The Corn Earworm as an Enemy of Field Corn in the Eastern States. With W. J. Phillips	1651	1–18
	[1] 1651	1–18
Barberry—		
common, and black stem rust. E. C. Stakman, F. E. Kempton, and Lynn D. Hutton	1544	1–29
eradication, progress and methods	1544	21–25
spread of black stem rust	1544	9–13, 15–18
varieties, harmful and harmless	1544	19–21
Barium carbonate, use as rat poison	1533	5–7
	[1] 1533	5–7
Bark beetles—		
damage to log cabins, rustic work and unseasoned wood	1582	2–3, 14
	[1] 1582	3–4, 14
seasonal activity	1582	11
similar to southern pine beetle, description and attack	1586	8–13
Barley—		
diseases, kinds, treatment, and control	[1] 1732	11–13
feed value, preparation	1732	8–9
growing—		
for malt and feed. H. V. Harlan	1732	1–14
for malt and feed. H. V. Harlan and G. A. Wiebe	[1] 1732	1–18
trends and problems	1732	1–2
	[1] 1732	1–2
harvesting with combine, adjustments	1565	2–3
immunity to nematode disease	1607	7
irrigation on new land	1556	1–13
malting, requirements	1732	2–7
	[1] 1732	2–8
rotation with sugar beets for the control of nematodes	1514	13, 16
scab and wheat scab, control. James G. Dickson and E. B. Mains	1599	1–18
scab-resistant varieties, selections	1599	16–17

[1] Revised.

	Farmers' Bulletin No.	Page
Barley—Continued.		
seed—		
procurement and sources	[1] 1732	11
scabbed, cleaning and treatment	1599	15–16
spring, acreage distribution in 1928	1599	2–3
varieties—		
characteristics and range	1732	9–10
	[1] 1732	10–11
seeding, recommendations	1732	11–14
	[1] 1732	13–17
Barns—		
construction—		
for fire protection	1590	19–20
with poles	1660	21
fire protection, recommendations	[1] 1590	19–21
ratproofing, recommendations	1638	5–7
Barrels, use for shipping fruits and vegetables, recommendations	1579	1–36
	[1] 1579	1–34
Baskets, use for shipping fruits and vegetables, recommendations	1579	1–36
	[1] 1579	1–34
Bass, black, transportation, interstate, prohibition	1505	3–4
Bathyplectes curculionis, parasite of alfalfa weevil	1528	11
Bayles, B. B.—		
Varieties of Club Wheat. With J. Allen Clark	1708	1–12
Varieties of Common White Wheat. With J. Allen Clark	1707	1–22
Beal, J. A.: The Southern Pine Beetle: A Serious Enemy of Pines in the South. With R. A. St. George	1586	1–18
Bean(s)—		
acreage and production, by States	1509	12–14
angular leaf spot, cause, occurrence, and description	1692	23
anthracnose, description, cause, and control	1692	2–4
ashy stem blight, description, cause, and control	1692	21–22
bacterial blight, description, cause, and control	1692	5–9
baldhead, description, cause, and control	1692	19–20
beetle, Mexican—		
control, natural and artificial means	[1] 1624	8–20
damage to soybeans, and control	1520	26
	[1] 1520	32
description and damage	1624	1–4
	[1] 1624	1–3
dusting, recommendations	[1] 1624	14–18
in the East, and its control. Neale F. Howard	1624	1–14
in the East, and its control. Neale F. Howard, Loyd W. Brannon, and Horatio C. Mason	[1] 1624	1–21
infestation regions	1624	4–5
life history, habits, hibernation, and food plants	1624	5–7
	[1] 1624	7–8
natural enemies	1624	7–8
spraying, recommendations	[1] 1624	10–14
stages and distribution	[1] 1624	3–7
byproducts, value	1509	12
	[1] 1509	13
crop, improvement by seed selection, recommendations	[1] 1509	10–11
cultural practices for control of Mexican bean beetle	[1] 1624	19
culture in farm garden	1673	52–54
	[1] 1673	52–54
curly top, description, cause, and control	1692	18–19
diseases—		
and their control. L. L. Harter and W. J. Zaumeyer	1692	1–28
description and control	[1] 1746	30
symptoms, causes, and control	[1] 1509	11–13
	1746	30
dry edible—		
acreage, yield, and production, 1928–38	[1] 1509	14–15
commercial classes and strains	1509	11, 14
marketing	1509	10

[1] Revised.

Bean(s)—Continued.	Farmers' Bulletin No.	Page
dusting for control of Mexican bean beetle	1624	12
growing—		
in northern Idaho, eastern Washington, and eastern Oregon. Byron Hunter	1509	1–14
	[1] 1509	1–17
Northwest, districts suited to	[1] 1509	1
soil productivity, maintenance	[1] 1509	2
harvesting, stacking, and threshing	1509	8–10
huller, use and cost	1509	10
inoculation with nodule-forming bacteria	1509	6
insects, description and control	1746	30–32
	[1] 1746	30–32
kinds grown in Northwest, and standards	[1] 1509	10
lima, diseases, description, causes, and control	1692	23–27
marketing—		
by parcel post, recommendations	[1] 1551	25–26
in Northwest	[1] 1509	9
mosaic, description, cause, and control	1692	9–12
planting and cultivating methods	1509	4–7
plants, plowing under for Mexican bean beetle control	[1] 1624	19
powdery mildew, description, cause, and control	1692	20–21
production—		
by commercial classes	[1] 1509	16
conditions favoring and advantages	[1] 1509	1–2
in Northwest, methods and equipment	[1] 1509	3–9
root knot, description, cause, and control	1692	17
root rots, description, cause, and control	1692	15–16
rotation with—		
sugar beets for control of nematode	1514	13
wheat, effect on soil	1509	2–3
rust, description, cause, and control	1692	12–15
seed, selection	1509	11–12
shipping containers, description	1579	7
	[1] 1579	6–7
spraying for control of Mexican bean beetle	1624	8–12, 14
statistics	1509	12–14
straw, value as feed	1509	12
sun scald, occurrence, description, and cause	1692	22–23
tepary, navy, and Great Northern, growing experiments in South Dakota	1511	22–23
value as subsistence crop	1746	28–30
	[1] 1746	28–30
Bear—		
game laws, 1931–32	1684	5
open season, laws, 1931–32	1684	5
	1685	3
Beattie, J. H.—		
Growing Cucumbers for Pickling	1620	1–18
Growing Sweet Corn for the Cannery	1634	1–22
	[1] 1634	1–22
Peanut Growing. With W. R. Beattie	1656	1–29
The Farm Garden. With W. R. Beattie	1673	1–68
	[1] 1673	1–68
Beattie, W. R.—		
Cucumber Growing	1563	1–22
	[1] 1563	1–22
Hotbeds and Coldframes	1743	1–29
Lettuce Growing	1609	1–30
	[1] 1609	1–30
Peanut Growing. With J. H. Beattie	1656	29
Subsistence Farm Gardens. With J. W. Roberts, L. L. Harter, W. H. White, and D. L. Van Dine	1746	1–54
	[1] 1746	1–54
The Farm Garden. With J. H. Beattie	1673	1–68
	[1] 1673	1–68

[1] Revised.

	Farmer's Bulletin No.	Page
Beaver, open season, laws, 1931–32	1685	4
Bedbugs, on poultry, treatment and prevention	1652	62
	[1] 1652	67
Bee(s)—		
colonies, disinfection for American foulbrood, recommendations	1713	9–12
diseases mistaken for American foulbrood	1713	3–9
response to smudging for frost protection	1588	16–19
Beef—		
feeding cattle for. W. H. Black	1549	1–17
herd, feeding and management	1592	5–9
production on farm. W. H. Black and E. W. McComas	1592	1–14
	[1] 1592	1–14
Beet(s)—		
bunched, preparation for market. William E. Lewis	1594	1–22
	[1] 1594	1–20
culture in farm garden	1673	41–42
	[1] 1673	41–42
damage by leaf spot, and control	1746	27
	[1] 1746	27
insects, description and control	1746	27
	[1] 1746	27
pulp, composition and uses	1645	32
value as subsistence crop	1746	26–27
	[1] 1746	26–27
See also Sugar beets.		
Beetle(s)—		
damage to—		
poultry, prevention	[1] 1652	67
soybeans, and control	1520	26–27
	[1] 1520	32–33
larvae, infestation of poultry, description	1652	62
See also under host and individual names.		
Beggarweed, Florida, growing requirements and value as green-manure crop	1750	12–13
Bennett, Charles A.: Ginning Cotton. With F. L. Gerdes	1748	1–46
Berries—		
growing on Northern Great Plains	1522	39–40
marketing by parcel post, recommendations	[1] 1551	21–22
shipping containers, description	1579	7–9
	[1] 1579	7–9
Betts, M. C.—		
Fire Safeguards for the Farm. With V. N. Valgren and Harry E. Roethe	1643	1–22
Fire Safeguards for the Farm, With V. N. Valgren, Harry E. Roethe, Wallace Ashby, William H. Rowe, and Wilbur R. Mattoon	[1] 1643	1–30
Rat Proofing Buildings and Premises. With James Silver and W. E. Crouch	1638	1–26
Biederman grafting method, description	1501	29–30
Bins—		
grain, insulation, discussion	1636	23–24
metal, advantages and costs	1636	39
portable, construction and use	1636	36–38
Birds—		
classification and economic value	1682	4–13
destruction of insect pests and value on the farm	1644	2–3
enemies of corn borer	1548	22
	[1] 1548	18–19
food preferences among fleshy fruits	1644	8–9
	[1] 1644	8–9
game—		
aquatic propagation. W. L. McAtee	1612	1–41
bag limits under Federal regulations	1616	7–8

[1] Revised.

Birds—Continued.	Farmer's Bulletin No.	Page
game—Continued.		
care in shipping	1521	10–11
disease prevention	1521	3
enemies, control	1521	3–10
	1612	6–15
liberation in coverts	1613	18–19
open seasons under Federal regulations	1616	6–7
propagation. W. L. McAtee	1521	1–57
protective legislation in Canada	1616	4–5
stock supply	1521	13
upland—		
enemies, control	1613	4–11
game laws, 1931–32	1684	6–7
propagation. W. L. McAtee	1613	1–61
shipping	1613	11–15
wings, clipping, pinioning, and brailing	1613	19–21
migratory—		
Federal legislation—		
1926–27	1505	6–9
1927–28	1550	8–11
1928–29	1575	7–10
1929–30	1616	5–8
1930–31	1647	5–8
1931–32	1684	8
1933–34	1717	6–10
1934–35	1742	6–8
of prey—		
management for protection of wildlife	1719	44–51
trapping	1521	8–9
traps for, construction	1613	8–11
predacious, value in rat control	[1] 1533	19
refuges, local. W. L. McAtee	1644	1–14
safety in grasshopper-control campaigns	[1] 1691	14
usefulness on the farm. W. L. McAtee	1682	1–14
Bishopp, F. C.—		
Cattle Grubs or Heel Flies, With Suggestions for Their Control. With E. W. Laake and R. W. Wells	1596	1–22
Horse Bots and Their Control. With W. E. Dove	1503	1–14
Mosquito Remedies and Preventives. With L. O. Howard	1570	1–13
The Bollworm or Corn Ear Worm as a Cotton Pest	1595	1–14
Bissell, T. L.: Insects of the Pecan and How to Combat Them. With G. F. Moznette and H. S. Adair	1654	1–60
Black, R. H.: Cleaning Grain on Farms and in Country Elevators. With E. G. Boerner	1542	1–27
Black, W. H.—		
Beef Production on the Farm. With E. W. McComas	1592	1–14
	[1] 1592	1–14
Dehorning, Castrating, Branding, and Marking Beef Cattle. With V. V. Parr	1600	1–12
	[1] 1600	1–13
Feed-Lot and Ranch Equipment for Beef Cattle	[1] 1584	1–18
Feed-Lot and Ranch Equipment for Beef Cattle. With V. V. Parr	1584	1–22
Feeding cattle for beef	1549	1–17
Black Prairie Belt of Alabama and Mississippi, preparing Johnson hay for market in. M. A. Crosby	1574	1–20
Black spot of roses, symptoms and control	1547	4–7
Blackberries, value as subsistence crop	1746	45–46
	[1] 1746	45–46
Blackhead, of poultry, cause, symptoms, and treatment	1652	33–35
Blackleg of—		
cattle, symptoms and distinction from tick fever	1625	22
dairy cattle, prevention and remedies	[1] 1723	42

[1] Revised.

	Farmers' Bulletin No.	Page
BLANEY, HARRY F.: Irrigation Practices in Growing Alfalfa. With Samuel Fortier, Leslie Bowen, Paul A. Ewing, M. R. Lewis, James C. Marr, R. L. Parshall, and A. A. Young	[1] 1630	1–27
Blister beetles, damage to—		
peaches, and control	1557	37
soybeans, and control	1520	26
	[1] 1520	30
Bloat, of cattle, causes	1653	12–13
Bloodworms, description and uses	1569	5–6
Blossom blight—		
peach, cause and spread	1527	2–3
roses, symptoms and control	1547	19
Blouses, fitting. Maude Campbell	1530	1–30
Bobwhite. *See* Quail.		
BOERNER, E. G.—		
Cleaning Grain on Farms and in Country Elevators. With R. H. Black	1542	1–27
Farm Bulk Storage for Small Grains. With M. A. R. Kelley	1636	1–46
Boilers, farmhouse, protection for fire prevention	1590	17, 18
	[1] 1590	18
Boll weevil, cotton, importance as insect pest	1688	1–3
Bollworm—		
control measures	1595	7–14
cotton, description and control	1688	6–7
habits and development	1595	4–7
or corn earworm as a cotton pest. F. C. Bishopp	1595	1–14
pink, description and control	1688	11–14
trapping, methods	1595	13–14
"Book automobile," use and value	1559	45–46
Bordeaux mixture		
combination with oil sprays, results	1676	11–12
preparation—		
and use	1666	27–28, 73
for control of cucumber leaf diseases	1563	16–18
	[1] 1563	18–19
for pecan orchards	1672	23–27
for spraying roses	[1] 1547	14–16
use against Mexican bean beetle	1624	12
use for spraying peaches	1527	8
Borers		
control by caustic washes	1666	34–35
flat-headed, description and damage	1582	8–9
rice, description, life history, and control	1543	8–12
roundheaded—		
description and damage	1582	7–8
	1586	13
seasonal activity	1582	12, 14
shot-hole, habits, description, and control	1654	47–48
wood—		
kinds, description, and damage	1582	4–9
seasonal activity	1582	12, 14
See also under specifi hosts.		
Bots, horse—		
control methods	1503	8–14
kinds, distribution, and injury	1503	1–5
life history and habits	1503	5–8
Botulism, of poultry, symptoms and treatment	[1] 1652	32–33
BOWEN, LESLIE: Irrigation Practices in Growing Alfalfa. With Samuel Fortier, Harry F. Blaney, Paul A. Ewing, M. R. Lewis, James C. Marr, R. L. Parshall, and A. A. Young	[1] 1630	1–27
BOWER, CARL W.: Pop Corn. With Arthur M. Brunson	1679	1–18

[1] Revised

	Farmers' Bulletin No.	Page
Boxes, for—		
shipping fruits and vegetables, recommendations	1579	1–36
	[1] 1579	1–34
strawberries, description and use	[1] 1560	12–13
See also Containers.		
Boyd, George R.: Clearing Land of Brush and Stumps	1526	1–35
	[1] 1526	1–34
Brailing, game birds, description of process	1613	20–21
Brand canker of roses, cause, symptoms, and control	1547	12–13
	[1] 1547	12–13
Branding—		
cattle, legislation and methods	1600	6–8, 11
irons, types and use on cattle	1600	8, 11
	[1] 1600	8–9
Brannon, Loyd W.—		
The Harlequin Bug and Its Control. With W. H. White	1712	1–10
The Mexican Bean Beetle in the East and Its Control. With Neale F. Howard and Horatio C. Mason	[1] 1624	1–21
Bread, for children, place in diet	1674	5
Breeding—		
pens, for—		
bobwhite quail, construction and use	1613	49–50
game birds, description	1521	15–16, 21–24, 37–38
ring-necked pheasants, construction and use	1613	22–25
See also Crossbreeding; and under specific plants and animals.		
Brick—		
adobe—		
laying method	1720	6–7
making on the farm	1720	3–6
sun-dried, for farm buildings. T. A. H. Miller	1720	1–18
British Columbia—		
fur laws—		
1926–27	1515	23
1927–28	1552	23
1928–29	1576	23
1929–30	1618	27
1930–31	1648	25–26
game laws—		
1926–27	1505	37–38, 45
1927–28	1550	39
1928–29	1575	38–39
1929–30	1616	38–39
1930–31	1647	38–39
Broad-tail, definition	1632	2
Broccoli—		
culture in farm gardens	1673	55
	[1] 1673	55
growing in hotbeds and coldframes	1743	27
marketing by parcel post, recommendations	[1] 1551	27
Bronchitis, of poultry, cause, symptoms, and control	1652	9–10
	[1] 1652	22
Brooder(s)—		
chicken—		
description, selection, and operation	1538	19–22
use and care	1508	10–11
use on farms	1524	10–11
for—		
bobwhite quail, construction and use	1613	51–53
rearing pheasants	1521	24–25
ring-necked pheasants	1613	34–35
houses, kinds and requirements	1554	2–6
	[1] 1554	2–7

[1] Revised.

	Farmers' Bulletin No.	Page
Brooding—		
chickens, study	1538	14–26
chicks, artificial, recommendations	[1] 1508	10–11
Broomcorn—		
baling, methods	1631	24–26
classification and description	1631	1
curing methods	1631	20–24
diseases, description, and control	1631	35
growing and handling. John H. Martin and R. S. Washburn	1631	37
harvesting methods and labor requirements	1631	12–17
insect pests and control	1631	36
marketing	1631	26–32
origin and early history	1631	1
planting dates	1631	9–10
production—		
areas and methods of growing	1631	1–3
costs and returns	1631	33–35
rotations with other crops	1631	8
seed and stalks, disposal	1631	32–33
seed, sources of supply	1631	7–8
threshing, machines and practices	1631	18–20
uses	1631	1
varieties and types, characteristics and uses	1631	3–7
Brown—		
canker of roses, cause, symptoms, and control	1547 [1] 1547	13–14 13–16
rot of peaches, importance, cause, and control	1527	1–4, 6–14
spot of soybeans, cause and symptoms	[1] 1520	35–36
Brown-tail moth—		
and gypsy moth. A. F. Burgess	1623	1–33
control, methods and work	1623	28–32
enemies and parasites	1623	27–32
introduction and spread	1623	24
life history, food plants, and injury	1623	24–27
Brucella abortus—		
infection of human beings, sources and prevention	1704	16
location in infected animals	1704	3–5
Brunson, Arthur M.: Pop Corn. With Carl W. Bower	1679	1–18
Brush—		
clearing from land. George R. Boyd	1526 [1] 1526	1–35 1–34
disposal methods	1526 [1] 1526	5–13 3–13
Brussels sprouts, culture in farm garden	1673 [1] 1673	55 55–56
Buck, John M.—		
Bang's Disease (Infectious Abortion)	1704	1–17
Infectious Abortion of Cattle	1536	1–14
Buckley, John S.: Diseases and Parasites of Poultry. With Hubert Bunyea and Eloise B. Cram	1652 [1] 1652	1–62 1–68
Buckwheat, growing as summer green-manure crop	1750	10
Bud variations, deciduous-fruit trees, study	1696	2–7
Budding—		
nut-tree, methods	1501	5–39, 43
trees and shrubs, methods, discussion	1567	25–26, 38–45
Budget—		
family, plans for keeping	1553	1–22
farm—		
definition, making, purpose, and use	1564 [1] 1564	1–6 1–6
forms for making	[1] 1564	16–22
making, information needed	[1] 1564	11
with varying prices and yields	[1] 1564	8–9

[1] Revised.

	Farmers' Bulletin No.	Page
Budgeting, farm. J. B. Hutson	1564	1–22
	[1] 1564	1–22
Buildings—		
city, ratproofing—		
measures suggested	1638	13–18
ordinances	1638	21–24
farm—		
construction—		
and maintenance against fire damage, recommendations	1643	3–8
	[1] 1643	3–14
for fire protection	1590	3–21
of logs and poles, study	1660	1–22
location for fire protection	1590	2–3
	[1] 1590	2–3
of adobe or sun-dried brick. T. A. H. Miller	1720	1–18
protection from lightning. Roy N. Covert	1512	1–33
	[1] 1512	1–33
ratproofing, recommendations	1533	1–2
	[1] 1533	1–2
	1638	2–12
fire stopping in, recommendations	[1] 1590	5, 6–8
fireproofing on farm	[1] 1590	1–22
fumigation with hydrocyanic acid gas	1670	4
metal work, interconnection and grounding for lightning protection	[1] 1512	17–23
ratproofing, and premises. James Silver, W. E. Crouch, and M. C. Betts	1638	1–26
rural, for business and social uses. Wayne C. Nason	1622	1–38
Bull(s)—		
associations, cooperative—		
improvement of dairy herds	1532	1–14
organization and management	1532	9–14
beef-herd, feeding and care	1592	5–7
	[1] 1592	5–7
castration, methods	1592	12
	1600	4–5
	[1] 1600	4–5
dairy—		
selection for foundation herd	1610	9–11
testing method	1604	14
young, feeding and management	[1] 1723	33–34
herd, qualifications for beef production	[1] 1592	3
proving by records of daughters	1532	6–8
selection for beef herd	1592	3–4
Bumblefoot, of poultry, cause and treatment	1652	24–25
	[1] 1652	31
Bunt, description, development, and control	1540	2–9
	1711	2–11
	[1] 1711	2–13
Bunyea, Hubert: Diseases and Parasites of Poultry. With John S. Buckley and Eloise B. Cram	1652	1–62
	[1] 1652	1–68
Bur-clover—		
characteristics, varieties, and value of spineless form	1741	1–3
climatic adaptations and soil preferences	1741	3–5
cultivation and utilization. Roland McKee	1741	1–14
fertilizer requirements and seeding	1741	5–6
germination and inoculation	1741	6–7
host of clover-seed chalcid, and destruction	1642	7, 11
rotations, seed production, and insect enemy	1741	10–12
value as volunteer crop, pasturage, green manure, and hay	1741	7–9
Burgess, A. F.: The Gipsy Moth and the Brown-Tail Moth	1623	1–33

[1] Revised.

	Farmers' Bulletin No.	Page
Burners, fuel-oil, fire hazards, precautions	[1] 1678	6–7
	[1] 1678	7
Butter—		
marketing by parcel post, study	1551	48–50
	[1] 1551	48–50
transmission of trembles	1593	5, 8, 9
Butterfat, production, relation to other factors	1610	14
Buttermilk, feeding to calves, recommendations	1723	11–13
Byproducts, food value for dairy cows	1626	9
Cabbage—		
Chinese, names and culture	1673	57–58
containers for shipping, description	1579	9–12
culture in farm gardens	1673	56–57
	[1] 1673	56–57
diseases, description and control	1746	21–22
	[1] 1746	21–22
group, culture in farm garden	[1] 1673	55–59
growing in hotbeds and coldframes	1743	27
insects, description and control	1746	22–24
	[1] 1746	22–24
marketing by parcel post	[1] 1551	26
shipping containers, description	[1] 1579	9–11
value as subsistence crop	1746	20–21
	[1] 1746	20–21
Cabinets, kitchen, selection and arrangement	1513	20
Cabins, log, protection from injurious insects. R. A. St. George	[1] 1582	1–22
Caffrey, D. J.—		
The European Corn Borer: Its Present Status and Methods of Control	[1] 1548	1–39
The European Corn Borer: Its Present Status and Methods of Control. With L. H. Worthley	1548	1–48
Calcium—		
arsenate, use against—		
cotton bollworm	1595	10–13
Mexican bean beetle	[1] 1624	15
cyanide, use in—		
control of red harvester ants	1668	19–20, 21
fumigating rat shelters	[1] 1533	11–13
rat poison	1533	11–12
requirements of dairy cows, determination	[1] 1636	22–23
Calf(ves)—		
ailments, symptoms, causes, and remedies	1723	29–32
	[1] 1723	38–43
beef—		
dehorning and castrating	[1] 1592	12–13
feeding and management	1592	9–14
	[1] 1592	9–14
stock, wintering rations	1592	13–14
suckling, feeding grain	[1] 1592	10–12
weaning	[1] 1592	12
dairy—		
feeding for veal production	1723	25–26
	[1] 1723	34–35
raising for herd replacements	[1] 1723	1
dehorning and castrating	1592	12–13
feeding—		
methods at Beltsville, Md	[1] 1723	10
recommendations	1723	7–17
	[1] 1723	7–24
from dual-purpose cows, feeding and management	[1] 1592	9–10
marking for identification	1723	27
	[1] 1723	36–37
meals, ingredients and feeding directions	[1] 1723	18–22
new-born, care	1723	2–3
	[1] 1723	2–3

[1] Revised.

	Farmers' Bulletin No.	Page
Calf(ves)—Continued.		
pen, requirements	[1] 1723	3–6
spring and fall, breeding for	[1] 1592	8–9
stock, wintering	[1] 1592	13
suckling, feeding supplements	1549	12–13
young, quarters for, care	[1] 1723	3–6
California—		
beets, infestation with nematode	1514	1
fur laws—		
1926–27	1515	8–9
1927–28	1552	7–8
1928–29	1576	7–8
1929–30	1618	9–10
1930–31	1648	9
1931–32	1685	9
game laws—		
1926–27	1505	7,12–13,43
1927–28	1550	14, 44
1928–29	1575	13–14
1929–30	1616	12–43
1930–31	1647	12–13, 43
1931–32	1648	15–16, 49
1933–34	1717	12–13
1934–35	1742	10
oat varieties	1611	22
potatoes, production centers and cultural practices	1639	12–13
Calosoma beetle, effectiveness in control of gypsy moth	1623	15, 16
CAMPBELL, MAUDE: Fitting Dresses and Blouses	1530	1–30
Campuses, school and college, utilization as bird refuges	[1] 1644	12–13
Canada—		
corn borer damage	[1] 1548	15
fur laws—		
1926–27	1515	22–26
1927–28	1552	22–26
1928–29	1576	4, 22–26
1929–30	1618	25–29
1930–31	1648	3, 4–5, 25–29
1931–32	1685	25–29
game laws—		
1926–27	1505	4, 36, 45
1927–28	1550	38–43, 46
1928–29	1575	37–42
1929–30	1616	4–5, 37–42, 45–46
1930–31	1647	37–42, 45
1931–32	1684	44–48, 51–52
1933–34	1717	35–38
1934–35	1742	6, 33–37
gypsy and brown-tail moths, control work, organization and status	1623	31
Canary grass—		
reed—		
H. A. Schoth	1602 [1] 1602	1–10 1–12
chemical composition	1602 [1] 1602	9 9–10
climatic adaptations and soil requirements	1602 [1] 1602	2 2–4
haymaking, methods	[1] 1602	7–8
origin, history, and description	1602 [1] 1602	1–2 1–2
pasturing	1602	6–8
seed production	1602 [1] 1602	9–10 10–11

[1] Revised.

	Farmers' Bulletin No.	Page
Canary grass—Continued.		
reed—Continued.		
seedbed preparation and seeding	[1] 1602	4–6
silage and soiling value	1602	8–9
	[1] 1602	8–9
use and value as pasture	[1] 1602	6–7
seed-bed preparation	1602	4–5
seeding, rate, time, and method	1602	5–6
Cane blight of roses, cause, symptoms, and control	[1] 1547	16
Canker of poplar and willow, control in shelterbelts	[1] 1603	21
Cankerworms, control measures	1666	43, 69–70
Cannery, growing sweet corn for. J. H. Beattie	[1] 1634	1–22
Canning—		
garden fruits and vegetables for home use	1733	10–12
sweet corn—		
economic considerations	1634	2–3
providing supplies, methods	1634	2–3
Cantaloups—		
marketing by parcel post	[1] 1551	26
shipping containers, description	1579	11–13
	[1] 1579	11–13
Capillaria—		
annulata, occurrence in poultry, and control	1652	47–48
sp., in poultry, description and control	1652	53
Caponizing, chicken	1524	13
Capons, growing in back yards	1508	25
	[1] 1508	25
Car, loading with peaches, practices	1702	30–32
Caracul, definition	1632	2–3
Carbohydrate(s)—		
content of dairy cow's feed, functions	[1] 1626	3
kinds, function, and utilization in cattle feed	1626	2
Carbon disulphide—		
treatment for horse bots	1503	12–13
use in killing red harvester ant	1668	14–15, 21
Cardoon, planting and use	1673	31–32
	[1] 1673	31–32
Caribou, game laws, 1931–32	1684	5
Carpenter, Rowena Schmidt—		
Food for Children. With Helen Nebeker Hann	1674	1–22
Milk for the Family	1705	1–30
Carrots—		
bunched, preparation for market. William E. Lewis	1594	1–22
	[1] 1594	1–20
culture in farm garden	1673	42
	[1] 1673	42–43
growing for livestock	1699	1–12
value as—		
forage at Redfield station	1511	43
subsistence crop	1746	26
	[1] 1746	26
Cartter, J. L.: Soybeans: Culture and Varieties. With W. J. Morse	[1] 1520	1–40
Castrating—		
beef calves, purpose and practices	1592	12
cattle, purpose and procedure	1600	3–4
Catarrh—		
contagious nasal, in rabbits, cause, symptoms, and treatment	1568	26–27
poultry, cause, symptoms, and treatment	1652	4–6
Caterpillar(s)—		
damage to soybeans, and control	1520	27–28
	[1] 1520	32
kinds mistaken for European corn borer	1548	42–46
	[1] 1548	36–38
salt-marsh, pest on cotton, control	1688	20

[1] Revised.

	Farmers' Bulletin No.	Page
Cats—		
damage to wildlife, and control	1719	51
ring-tailed, open season, laws, 1931–32	1685	4
Cattle—		
abortion, infectious. John M. Buck	1535	1–14
age, determination by teeth	1721	7–9
anthrax, symptoms	1736	5
beef—		
breeding herd, equipment for	1592	5
breeding stock, qualifications	1592	2–5
dehorning, castrating, branding, and marking. W. H. Black and V. V. Parr	1600 [1] 1600	1–12 1–13
development	1592	1–2
feed-lot and ranch equipment—		
W. H. Black	[1] 1584	1–18
W. H. Black and V. V. Parr	1584	1–22
feeding—		
and management	1592	5–9
on beet molasses, recommendations	1718	22–23, 27
on beet tops, recommendations	1718	6, 10, 27
on dried beet pulp, experiments	1718	18–19, 27
on soybean hay	[1] 1617	18
on soybean meal	[1] 1617	14–15
on soybeans	[1] 1617	8–9
on wet beet pulp, recommendations	1718	13–15, 27
herd, feeding and management	[1] 1592	5–9
industry, development	[1] 1592	1–2
marking, practices	1600	9–11
production and marketing, Alabama and Mississippi	1546	15–18 30–33
salt requirements and feeding for market	[1] 1592	14
sanitation and disease prevention	[1] 1592	14
bloat, from pasturing on sweetclover	[1] 1653	11–12
branding—		
legislation and methods	1600	6–8, 11
practices and equipment	[1] 1600	6–9, 11–12
breeding for—		
beef, selection of stock	1592	2–9
spring and fall calves	1592	8–9
castration, purpose and procedure	1600 [1] 1600	4–5 3–5
dairy—		
feeding on—		
beet molasses, recommendations	1718	24, 28–29
beet tops, recommendations	1718	7–8, 10–11, 28, 29
dried beet pulp, experiments	1718	20–21, 28–29
soybean hay	1617 [1] 1617	17–18 17–18
soybean meal	[1] 1617	14
soybean straw	1617	26
soybeans	[1] 1617	8
wet beet pulp, recommendations	1718	16–17, 28, 29
need of alfalfa hay	[1] 1539	2
young, feeding, care, and management	1723	1–32
dehorning—		
implements, kinds and use	1600	1–4, 11
practices and equipment	[1] 1600	1–3, 11–12
fattening on grass, recommendations	1549	10–13
feeder, supply and selection	1549	2–5
feeding—		
for beef. W. H. Black	1549	1–17
on shredded stover	1589	5–7

[1] Revised.

	Farmers' Bulletin No.	Page
Cattle—Continued.		
feeding—Continued.		
on soybean meal	1617	14–15
on soybeans	1617	8–9
grubs—		
distribution and spread, methods	1596	13–14
hosts	1596	14–22
life cycle	1596	1–7
natural enemies and control methods	1596	14–22
or heel flies, with control suggestions. F. C. Bishopp, E. W. Laake, and R. W. Wells	1596	1–22
seasonal history and damage to cattle	1596	8–13
guards, construction	1584	16, 21–22
	[1] 1584	17
immunization against tick fever, methods and results	1625	23–27
industry, economic losses from cattle ticks	1625	16–17
injury by cattle grubs	1596	10–13
injury by cattle ticks, nature	1625	13–22
inoculation against tick fever, methods and results	1625	24–27
marking, methods	[1] 1600	9–11
neck chains, use	[1] 1600	11
sheds, construction and use	[1] 1584	1–3
stocks, construction and use	[1] 1584	18
tattooing and eartagging	[1] 1600	10–11
tick—		
distinction from harmless ticks found on cattle	1625	7–8
life history and infestation of cattle	1625	4–7
Cauliflower—		
culture in farm gardens	1673	58–59
	[1] 1673	58–59
growing in hotbeds and coldframes	1743	27
marketing by parcel post, recommendations	[1] 1551	27
shipping containers, description	1579	14–15
	[1] 1579	13–15
Cedar apple rust, control in windbreaks	[1] 1603	20
Ceilings, farmhouse, repairs	1749	11–13
Celeriac, culture in farm garden	1673	43
	[1] 1673	43
Celery—		
culture in farm gardens, recommendations	1673	36–38
	[1] 1673	36–38
growing in hotbeds and coldframes	1743	27–28
marketing by parcel post, recommendations	[1] 1551	27
shipping containers, description	1579	15–17
	[1] 1579	15–16
Cellars—		
construction for—		
dryness	1572	11–21
fire protection	1590	4–5
dampness and wetness, causes	1572	3–11
drying out. George M. Warren	1572	1–29
farmhouses, uses and construction	1749	8–9
fire hazards and protection	[1] 1590	4–5
waterproofing and dampproofing	1572	21–27
Cemeteries, utilization as bird refuges	1644	13
	[1] 1644	13
Centipedes, garden, damage to asparagus	1646	24
	[1] 1646	25
Cercospora—		
beticola, cause of sugar-beet leaf spot	1637	26–27
leaf spot, of sugar beet, symptoms, effects, and control	[1] 1637	38–40
Cereal(s)—		
crops, grasshopper control in. J. R. Parker, W. R. Walton, and R. L. Shotwell	1691	1–14
	[1] 1691	1–17
for children, place in diet	1674	5
injury by hessian fly, description	1627	3–5

[1] Revised.

	Farmers' Bulletin No.	Page
Cereal(s)—Continued.		
scab—		
causal organism	1599	6–10
cause, occurrence, and description	1499	1–3
symptoms and effect on kernel composition	1599	3–5
seedling blight, occurrence and cause	1599	5–10
stem rust, spread and control	1544	1–28
susceptibility to nematode disease	1607	7
Chalcid control in alfalfa-seed production. V. L. Wildermuth	1642	1–14
CHAMBERLIN, F. S.: The Tobacco Budworm and Its Control in the Georgia and Florida Tobacco-Growing Region. With A. C. Morgan	1531	1–10
	[1] 1531	1–10
Chard—		
culture in farm garden	[1] 1673	32
description and culture	1673	32
See also Swiss chard.		
CHARLES, VERA K.: Mushroom Culture for Amateurs	1587	1–17
Cheese—		
American—		
making by stirred-curd or granular method	1734	1–17
making on farm, equipment and supplies	1734	1–3
making on farm for home consumption. H. L. Wilson	1734	1–18
making on farm, procedure	1734	3–17
marketing by parcel post, recommendations	1551	50–51
	[1] 1551	50–51
storage building, cooperative, erection, finances, and uses	1622	6–7
Cheilospirura hamulosa, description, life history, and control	1652	49
Chemical(s)—		
fire extinguishers, types and use	1643	9–11, 15–18
ineffectiveness against sugar-beet nematode	1514	18–20
Cherry(ies)—		
diseases and insect pests, description and control	1746	53–54
	[1] 1746	53–54
growing on northern Great Plains	[1] 1522	46
insects, control methods and spraying	1666	82–83
marketing by parcel post, recommendations	[1] 1661	19
shipping containers, description	1579	17–18
	[1] 1579	16–18
value as subsistence crop	1746	53–54
	[1] 1746	53
varieties for growing on northern Great Plains	1522	37–38
Chervil, culture in farm garden	1673	43
	[1] 1673	43
Chestnut(s)—		
blight—		
G. F. Gravatt and L. S. Gill	1641	1–18
fungus, description and activity	1641	7–10
introduction, spread, and present distribution	1641	1–3
symptoms and cause	1641	3–10
blighted, deterioration and utilization	1641	11–15
propagation, methods	1501	42
strains resistant to blight, discovery and introduction	1641	15–18
Chicken(s)—		
American class, characteristics	1506	1–12
	[1] 1506	1–15
Ancona, varieties, description	1506	31–32
	[1] 1506	34–35
Asiatic class, characteristics	1506	13–18
	[1] 1506	15–20
Australorp, description	[1] 1506	29
back-yard management, recommendations	[1] 1508	25–28

[1] Revised.

Chicken(s)—Continued.	Farmers' Bulletin No.	Page
Bantam—		
description of varieties	1507	22–27, 29
	1508	14–16
raising in back yards, recommendations	[1] 1508	14–15
Blue Andalusian, description	1506	35–36
	[1] 1506	36–37
Booted White Bantam, description	[1] 1507	24
Brahma Bantam, varieties, description	[1] 1507	24–27
Brahma, varieties, description	1506	14–16
	[1] 1506	15–18
breeding—		
for egg production	1524	5–7
stock, selection for back yard	[1] 1508	3–4, 6–7
breeds for back yards	1508	3–4
	[1] 1508	3–4, 6–7
Buckeye, description	1506	12
Buttercup, description	[1] 1506	37–38
	1508	14–16
Campine, varieties, description	1507	11–12
	[1] 1507	12–13
Chantecler, varieties, description	1506	12
	[1] 1506	15
classes and standard weights	1524	3–4
Cochin Bantam, varieties, description	[1] 1507	27
Cochin, varieties, description	1506	16–18
	[1] 1506	18–19
Continental European class, characteristics	[1] 1507	2–16
Cornish, varieties, description	1506	21–22
	[1] 1506	22–24
Crevecoeur, description	[1] 1507	14
culling	1508	26
diseases and parasites	1652	1–62
Dominique, description	1506	11–12
	[1] 1506	14–15
Dorking, varieties, description	1506	23–25
	[1] 1506	24–26
dressed, packing for mailing, recommendations	[1] 1551	37–39
dressing for mailing, recommendations	[1] 1551	34–36
economic value on farms	1524	1–2
English class, characteristics	1506	19
	[1] 1506	20–29
European, description of breeds and varieties	1507	2–16
fattening, rations and care	1541	11–15
Faverolles, description	1507	15–16
	[1] 1507	15–16
feeding—		
M. A. Jull and A. R. Lee	1541	1–24
for egg production in back yards	1508	22–25
	[1] 1508	22–25
for market	1524	15–16
flock, size for farm	1524	3
Frizzle, description	1507	28
	[1] 1507	30
Game class, characteristics	1507	18–21
	[1] 1507	18–22
Hamburg, varieties, description	1507	6–11
	[1] 1507	6–12
hatching, study	1538	1–14
high-laying strain, development through selection, recommendations	1727	12–15
Houdan, varieties, description	1507	13–14
	[1] 1507	13–14

[1] Revised.

Chicken(s)—Continued.	Farmers' Bulletin No.	Page
houses for laying stock in back yards	1508	15–21
	[1] 1508	15–22
incubation and brooding. M. A. Jull and A. R. Lee	1538	1–28
Japanese bantam, varieties, description	[1] 1507	27–28
Java, varieties, description	1506	10–11
	[1] 1506	13–14
Jersey Black Giant, description	1506	10
	[1] 1506	12–13
keeping in back yards. M. A. Jull and A. R. Lee	1508	1–29
	[1] 1508	1–29
killing and dressing for market	1524	24–26
La Fleche, description	1507	15
	[1] 1507	14–15
Lamona, description	[1] 1506	15
Langshan, varieties, description	1506	18
	[1] 1506	19–20
laying stock, yards for	[1] 1508	21–22
Leghorn, varieties, description	1506	27–30
	[1] 1506	29–34
Malay, description	[1] 1507	16–18
management in back yards	[1] 1508	25–28
Mediterranean class, characteristics	1506	26–27
	[1] 1506	29–38
Mille Fleur Booted Bantam, description	1507	29
	[1] 1507	28–29
Minorca, varieties, description	1506	32–34
	[1] 1506	34
miscellaneous class, characteristics	[1] 1507	30
New Hampshire, description	[1] 1506	11–12
Oriental class, characteristics	1507	16–18
	[1] 1507	16–18
Ornamental class, characteristics	1507	22–27
	[1] 1507	22–30
Orpington, varieties, description	1506	19–21
	[1] 1506	21–22
Plymouth Rock, varieties, description	1506	2–6
	[1] 1506	2–7
Polish, varieties, description	1507	3–6
	[1] 1507	3–6, 30
pox, cause, symptoms, and treatment	1652	6–9
preparation for market	1551	33–39
raising on farms. M. A. Jull	1524	1–28
raising with brooders	1538	14–27
Red Cap, description	1506	25
	[1] 1506	28–29
Rhode Island Red, description	[1] 1506	8–9
		10–11
Rhode Island White, description	1506	9–10
	[1] 1506	11
Rose-Comb Bantam, varieties, description	[1] 1507	24
Sebright Bantam, varieties, description	[1] 1507	22
Silkie, description	1507	29
	[1] 1507	28
standard breeds and varieties—		
I. American, Asiatic, English, and Mediterranean classes. Morley A. Jull	1506	1–37
	[1] 1506	1–37
II. Continental European, Oriental, Game, Ornamental, and miscellaneous classes. Morley A. Jull	1507	1–30
	[1] 1507	1–30
strongyle, damage and development	1652	53–54
Sultan, description	1507	28
	[1] 1507	30

[1] Revised.

	Farmers' Bulletin No.	Page
Chickens(s)—Continued.		
Sumatra, description	[1] 1507	16
Sussex, varieties, description	1506	25
	[1] 1506	26–27
White-Faced Black Spanish, description	1506	34–35
	[1] 1506	36
Wyandotte, varieties, description	1506	6–8
	[1] 1506	7–10
See also Poultry.		
Chicks—		
day-old, buying	1524	10
feeding directions	1508	11–14
	[1] 1508	11–14
	1524	13–15
	1541	5–11
hatching and caring for	1508	7–14
	1524	9
incubation and brooding, recommendations	[1] 1508	7–14
raising in brooders	1524	11–13
white diarrhea, cause, symptoms, and treatment	[1] 1652	27–28
See also Poultry.		
Chicory, Witloof, culture in farm gardens	1673	38
	[1] 1673	38
Chiggers—		
infestation of rabbits, symptoms and treatment	1568	10–11
on poultry, effects and treatment	1652	60
Children, food for. Rowena Schmidt Carpenter and Helen Nebeker Hann	1674	1–22
Chimneys, construction—		
and fireplaces	1649	1–18
faults	1649	1–2
for fire prevention	1590	9–15, 16–17
	[1] 1590	9–16, 17–18
	1643	6–7
Chinch bug(s)—		
damage to rice, and control	1543	14–15
damage to soybeans, and control	1520	28
	[1] 1520	33
Chion, belted, habits, description, and control	1654	53
Chives, culture in farm gardens	1673	59–60
	[1] 1673	59–60
Chlorine solutions, use in cleaning milk utensils	1675	8–9
Cholera, of poultry, cause, symptoms, and treatment	1652	14–15
	[1] 1652	11–13
Christmas trees. *See* Tree(s), Christmas.		
Chutes, dehorning and branding cattle, construction	1584	12–13
	[1] 1584	11–13
	1600	11
	[1] 1600	11–12
Citronella, oil of, use against mosquitoes	1570	1–2
Citrus—		
fruit—		
frost damage, description	[1] 1588	58–59
frost-damaging temperatures	[1] 1588	54–58
frost-protection methods	[1] 1588	11–42
marketing by parcel post, recommendations	[1] 1551	19–20
shipping containers, description	1579	18–19
	[1] 1579	18–19
trees, frost damage, study	1588	51–56
City, ratproofing, recommendations and ordinances	1638	20–25
Cladosporium carpophilum, cause of peach scab	1527	5

[1] Revised.

	Farmers' Bulletin No.	Page
CLARK J. ALLEN—		
Varieties of Club Wheat. With B. B. Bayles	1708	1–12
Varieties of Common White Wheat. With B. B. Bayles	1707	1–22
Varieties of Durum Wheat	1706	1–13
Varieties of Hard Red Spring Wheat	1621	1–26
Varieties of Hard Red Winter Wheat. With Karl S. Quisenberry	1585	1–13
Clearing land of brush and stumps. George R. Boyd	1526	1–35
Climate—		
description, and effect on crops, northern Nebraska and Dakotas	1511	1–2, 3, 4
effect on—		
broomcorn growing	1631	2
sugar-beet growing under irrigation	1645	2–4
sweet-corn canning industry	1634	1–2
northern Great Plains, and its effect on fruit growing	1522	3–4
requirements of sugar beets	1637	2–3
Clothes moth—		
case-making, description and life history	1655 [1] 1655	1–9 1–9
case-making, infestation of furniture, and control	[1] 1655	9–32
control in upholstered furniture	1655 [1] 1655	23–32 23–32
infestation of upholstered furniture, prevention and remedies	[1] 1655	23–32
webbing, description and life history	1655 [1] 1655	1–9 1–9
webbing, infestation of furniture, and control	[1] 1655	9–32
Clover(s)—		
belt, limits for red clover	1510	1–2
disease resistance, experiments	1510	9–12
mite, control by oil sprays	1676	15
planting for anthracnose resistance	1510	16
red—		
anthracnose as cause of failure	1510	1–18
decline in acreage	1510	1
resistance to anthracnose	1510	3
susceptibility to disease of American and European types	1510	8–9
value as summer green-manure crop	1750	14
value in Nebraska and Dakotas	1511	16
seed—		
chalcid—		
control in alfalfa-seed production	1642	1–14
damage to bur-clover	1741	12
distribution, means of spread, and injury	1642	2–5
natural enemies and control measures	1642	8–14
stages, seasonal history, hibernation, and habits	1642	6–8
development for anthracnose resistance	1510	13–16
injury by clover-seed chalcid	1642	5
sweet, rotation with sugar beets for control of nematodes	1514	13–16
value as green manure crops	1663	18–20
worm, green, damage to soybean, and control	1520 [1] 1520	28 30–31
Club, boys' and girls', building, financing and uses	1622	28–31
Clubhouse, country demonstration, erection and uses	1622	31–33
Cnemidocoptes—		
gallinae, infestation of poultry, and eradication	1652	57–58
mutans, infestation of poultry, control	1652	59–60
Coccidiosis—		
of poultry, cause, symptoms, and treatment	1652 [1] 1652	35–39 40–43
of rabbits, cause, symptoms, and treatment	1568	12–16
Coconut, propagation	1501	43

[1] Revised.

	Farmers' Bulletin No.	Page
Codling moth—		
control by banding tree	1666	35–36, 39–41
control measures	1666	35–36, 37, 43, 66, 72, 74
damage to pear	1739	33
	[1] 1739	31
Coffman, F. A.—		
Fall-Sown Oat Production. With T. R. Stanton	1640	1–20
Oats in the North-Central States. With T. R. Stanton	1581	1–28
Oats in the Northeastern States. With T. R. Stanton	1659	1–18
Oats in the Western Half of the United States. With T. R. Stanton	1611	1–22
Spring-Sown Red Oats. With T. R. Stanton	1583	1–18
Cold storage, turkeys, precautions	1694	16–17, 26
Coldframes—		
and hotbeds. W. R. Beattie	1743	1–29
care and use	1743	21–28
construction and use for farm gardens	1673	10–12
	[1] 1673	9–11
coverings for, description and value	1743	16–21
location and watering	1743	3
types and construction	1743	1–2, 16
use in cucumber growing	1563	9–12
Collards, culture in farm gardens	1673	59
	[1] 1673	59
Colletotrichum pisi, cause of anthracnose of peas	1735	21
Collier, G. A.: Marketing Hay by Modern Methods	1700	1–26
Collier, George W.—		
Farm Practices Under Corn-Borer Conditions. With Jesse W. Tapp and C. R. Arnold	1562	1–21
The Husker-Shredder on Eastern Corn Belt Farms. With W. R. Humphries and E. W. McComas	1589	1–21
Collins, J. Franklin: Treatment and Care of Tree Wounds	1726	1–38
Colorado—		
alfalfa hay, crew organization and management	[1] 1535	24
beets, infestation with nematode	1514	2
fur laws—		
1926–27	1515	9
1927–28	1552	8
1928–29	1576	8
1929–30	1618	10
1930–31	1648	9–10
1931–32	1685	9
game laws—		
1926–27	1505	7, 8, 13, 43
1927–28	1550	14–15, 44
1928–29	1575	14
1929–30	1616	12–13, 43
1930–31	1647	13, 43
1931–32	1684	16–17, 49
1933–34	1717	13
1934–35	1742	10–11
haying equipment and methods	1525	24–25
mixed hay, crew organization and management	[1] 1525	25
potato beetle, control	1746	10, 15
potatoes, production centers	1639	13–14
wild hay, crew organization and management	[1] 1525	25
Colors, importance in curtaining rooms	1516	7–11
Colostrum, composition, comparison with other milks	1723	10
Colts, injury by bots	1503	3, 13
Columbia River Basin, wheat growing, dry-farming methods and practices. Byron Hunter	1545	1–22

[1] Revised.

	Farmers' Bulletin No.	Page
Combine(s)—		
attachments, description and use	1608	9–13
buying, advisability. L. A. Reynoldson and others	1565	1–18
costs and depreciation, data	1565	9–12
harvesting, losses	1665	14–16
operation and care	1608	1–14
types and equipment, description	1565	5–9
use, advantages	1565	1–18
use as a stationary thresher	1565	5
use in harvesting flax	1650	13–15
use in harvesting grain sorghums	1577	8–10, 12–13
use in harvesting soybeans	1605	9–10
Community—		
buildings, rural, for business and social uses	1622	1–38
fire departments, rural. Wayne C. Nason	1667	1–46
library service, rural, accomplishments	1559	1–50
Compost—		
preparation for mushroom culture	1587	8–9
use in farm gardens	[1] 1673	4
Concentrates—		
feed value for dairy cows	[1] 1626	15–17
feed value, quick estimation, practical method	[1] 1626	18–20
relative feeding value for dairy cows, estimation	[1] 1626	20
Concrete, use in ratproofing buildings	1638	4, 5, 13, 14, 17–20, 22–24
Conifers, seedlings, planting and care	1567	5–9
Connecticut—		
fur laws—		
1926–27	1515	9
1927–28	1552	8
1928–29	1576	8
1929–30	1618	10
1930–31	1648	10
1931–32	1685	9–10
game laws—		
1926–27	1505	7, 13–14, 43
1927–28	1550	15, 44
1928–29	1575	14–15
1929–30	1616	13, 43
1930–31	1647	13–14, 43
1931–32	1684	17, 49
1933–34	1717	13
1934–35	1742	11
Constipation—		
in calves, cause and remedy	1723	29
in rabbits, causes, symptoms, and treatment	1568	30
Construction, farm, use of logs and poles. T. A. H. Miller	1660	1–26
Containers—		
for bunched vegetables, requirements	1594	12–13
for butter, kinds used in marketing by parcel post	[1] 1551	50
for eggs, kinds used in marketing by parcel post	[1] 1551	40–42
for peaches, kinds and use	1702	9–12
for strawberries	[1] 1560	12–16
parcel-post, requirements	[1] 1551	17
shipping, for—		
turkeys, kinds and specifications	1694	20–23
upland game birds, construction and use	1613	12–15
used in shipping fruits and vegetables. H. A. Spilman and Robert W. Davis	1579 / [1] 1579	1–36 / 1–34
Cook, O. F.: Common Errors in Cotton Production	1686	1–26
Cooking, systems, gasoline, ha zards	[1] 1678	5–6
Cooper, J. M.: Range Sheep Production	1710	1–34

[1] Revised.

	Farmers' Bulletin No.	Page
Cooperation—		
community, value in control of Mexican bean beetle	[1] 1624	19
shipping, by livestock associations	1502	1–28
Cooperative associations—		
buildings, erection, costs, and community uses	1622	1–38
dairy-bull, value in herd improvement	1532	1–14
Coops—		
broody, construction	1554	24
chicken	1508	20
for bobwhite quail, construction and use	1613	51–52
for ring-necked pheasants, construction and use	1613	25–28
hatching and brooding, for game birds	1521	17–19, 23, 39–40
Coot, game laws, 1931–32	1684	9
Copper—		
carbonate—		
dust, use in treating seed wheat	1657	8
mixing machines, description	1540	5–9
use in control of cereal smuts	1540	II, 4–9, 14, 16
use in treatment of seed wheat for bunt	1711	7–9
sulphate, mixture with oil emulsions	1676	11
Corn—		
borer—		
conditions, farm practices under. Jesse W. Tapp, George W. Collier, and C. R. Arnold	1562	1–21
conditions in Corn Belt farming, adjustments. Kenneth H. Myers	1681	1–26
control—		
by use of husker-shredders. I. F. Reed and W. R. Humphries	1662	1–17
methods	[1] 1548	19–35
practices, labor and power requirements	1562	8–14
work, season favorable	1562	14–16
damage to crops in United States, Canada, and Old World areas	[1] 1548	14–15
description and seasonal history	[1] 1548	10–14
destruction by husker-shredder	1589	1–2
European—		
character of injury	1548	7–11
control methods, discussion	1548	19–42, 46–47
damage in North America and Europe	1548	16–19
description and seasonal history	1548	11–16
host plants	1548	4–6
introduction and spread in North America	1548	1–4
natural enemies, study	1548	19–22
present status and control methods. D. J. Caffrey	[1] 1548	1–39
status and control methods. D. J. Caffrey and L. H. Worthley	1548	1–48
history and known distribution in North America	[1] 1548	2–3
injury to corn, symptoms	[1] 1548	7–8
injury to hosts other than corn, symptoms	[1] 1548	8–10
natural enemies	[1] 1548	16–19
parasites, native and introduced	[1] 1548	16–18
trap crops, ineffectiveness	[1] 1548	35
cultivation, recommendations	1714	20–24
culture. Frederick D. Richey	1714	1–26
cutting for silage in the field	1725	8–9
ear rot, symptoms	1599	5
earworm—		
biological control	1651	10–13
comparison with corn borer	[1] 1548	36–37
control by natural agencies	1651 [1] 1651	10–13 10–13

[1] Revised.

Corn—Continued.	Farmers' Bulletin No.	Page
earworm—Continued.		
damage, life history, and control	1557	32–34
damage, prevention	1651	14–17
	[1] 1651	14–17
enemy of field corn in the Eastern States. W. J. Phillips and George W. Barber	1651	1–18
	[1] 1651	1–18
importance and damage	1651	1–5
	[1] 1651	1–5
life history and seasonal history	[1] 1651	6–10
life stages and seasonal history	1651	6–10
or bollworm as cotton pest. F. C. Bishopp	1595	1–14
resemblance to European corn borer	1548	43–44
field, in Eastern States, corn earworm as enemy. W. J. Phillips and George W. Barber	1651	1–18
	[1] 1651	1–18
fodder, husking and shredding, power and fuel requirements	1689	9–10
green, shipping containers	1579	21
	[1] 1579	20–21
growing—		
for fodder and silage	1511	33–35
on cut-over swamp land	1526	8–9
with soybeans, yields	1520	22–23
	[1] 1520	25–26
harvesting—		
methods, relation to corn-borer control	1562	5–6
with husker-shredder, labor requirements	1589	10–11, 16
hauling to silo, labor requirements	1725	9–10
host of corn borer in United States	[1] 1548	3–7
husker-shredder, use on eastern Corn Belt farms	1589	1–20
husking—		
costs by various methods	1715	12–18
in the field, methods and costs. Kenneth H. Myers	1715	1–18
machinery, development	1715	1–2
hybrid(s)—		
production and value	1744	1
what it is and how produced. Frederick D. Richey	1744	1–14
yields	1744	10–12
hybridization, practices	1744	2–10
importance in organization of Corn Belt farms	1681	4–7
insects and diseases, control	1714	24–26
injury by—		
earworm	1595	2–4, 6–7
insects resembling earworm	[1] 1651	5–6
leaf aphid, damage to sorghum	1619	38
marketing by parcel post, recommendations	[1] 1551	27–28
meal, poisoned, use in control of tobacco budworm	[1] 1531	4–9
pickers, mechanical, type and costs	1715	2–3
pickers, use in harvesting popcorn	1679	11
planting—		
practices, time, rate, and depth	1714	13–20
time in one- and two-generation areas, effect on borer control	[1] 1548	34
plants infested by corn borer—		
burning	[1] 1548	29–33
feeding to livestock	[1] 1548	21–25
plowing under	[1] 1548	26–29
root aphid, pest on cotton, control	1688	25, 26
rotation with sugar beets for the control of nematodes	1514	14
seed—		
hybrid, production, practices	1744	9–10
selection, recommendations	1714	2–3
shredding season in Corn Belt	1589	14–15

[1] Revised.

	Farmers' Bulletin No.	Page
Corn—Continued.		
southern rootworm, damage to rice	1543	13
Stewart's wilt disease, damage and control	1746	33
stover, feed value for dairy cows	1626	7–8
	[1] 1626	14–15
stubble, infested by borers, disposal	[1] 1548	33
	1562	8–10
sweet—		
canning, economic considerations	[1] 1634	2
canning-factory wastes	1634	18–20
	[1] 1634	19–21
climatic requirements	[1] 1634	1–2
culture in farm garden	1673	66–67
	[1] 1673	67
diseases and insect pests	1634	20–21
	[1] 1634	21–22
diseases, description and control	[1] 1746	33
growing for the cannery. J. H. Beattie	1634	1–22
	[1] 1634	1–22
insects, description and control	1746	33
	[1] 1746	33
planting, cultivation, and harvesting	1634	14–18
	[1] 1634	14–19
seed improvement and selection	1634	6–8
	[1] 1634	6–8
soil and fertility requirements	[1] 1634	3–6
soil requirements	1634	3–6
supplies for canning, methods and provisions	[1] 1634	2–3
value as subsistence crop	1746	32–33
	[1] 1746	32
varieties for canning	1634	8–13
	[1] 1634	9–14
yields, factors affecting	[1] 1634	19
use as trap crop for cotton bollworm	1595	13–14
varieties, choosing for resistance to borers	[1] 1548	35
yields, increase from use of green manure	1663	9–10
Corn Belt—		
cash crops, supply grown in relation to consumption requirements	1681	7–12
corncribs for. M. A. R. Kelley	1701	1–26
farming—		
adjustment to corn-borer conditions. Kenneth H. Myers	1681	1–26
sweetclover in. M. A. Crosby and L. W. Kephart	1653	1–26
	[1] 1653	1–25
farms, eastern, use of husker-shredder. George W. Collier, W. R. Humphries, and E. W. McComas	1589	1–21
Corncribs—		
construction, requirements and recommendations	1701	3–17
equipment, labor-saving devices	1701	21–26
for Corn Belt. M. A. R. Kelley	1701	1–26
ratproofing, recommendations	1638	7–9
ventilation, recommendations	1701	17–20
Cornland, preparation methods, relation to corn-borer control	1562	6–8
Cornsalad, culture and uses	[1] 1673	38
Cornstalk(s)—		
borer, southern, comparison with corn borer	1548	45–46
	[1] 1548	38
	[1] 1548	37
plowing under, effect on cereal scab	1599	15
plowing under for control of corn borer	1562	7–8
Corrals, construction and use for beef cattle	1584	13–17
	[1] 1584	13–17
Coryza, of poultry, cause, symptoms, and treatment	[1] 1652	16–17

[1] Revised.

	Farmers' Bulletin No.	Page
COTTON, R. T.—		
Hydrocyanic Acid Gas as a Fumigant for Destroying Household Insects. With E. A. Back	1670	1–21
The Control of Moths in Upholstered Furniture. With E. A. Back	1655 [1] 1655	1–32 1 33
Cotton—		
anthracnose, symptoms, cause, and control	1745	18–19
aphid, description and control	1688	9 11
ascochyta blight, range, symptoms, and cause	1745	28–29
bacterial blight, symptoms, cause, and control	1745	19–23
boll—		
cutworm, description and control	1688	17
diseases, causes, symptoms, and control	1745	32–34
weevil, importance as insect pest	1688	1–3
bollworm. *See* Bollworm.		
breeding problems	1661	16–17
combing methods	1661	12–14
crazy top, symptoms and control	1745	25–27
damping off, occurrence, symptoms, and prevention	1745	27–28
dauber, damage and control	1688	19
deterioration, causes	1686	3 4
diseases and control methods. David C. Neal and W. W. Gilbert	1745	1–34
dusting—		
day or night, requirements	1729	2–3
for control of bollworm	1595	11–13
machinery for. R. C. Gaines and D. A. Isler	1729	1–14
fabrics, immunity to attack by clothes moths	[1] 1655	9–11
flea hopper, description and control	1688	7–9
fusarium wilt, spread, symptoms, cause, and control	1745	8–12
gin(s)—		
care, maintenance, and operation	1748	44–46
fans and piping, construction and use	1748	36–38
feeders, use and requirements	1748	24–27
stands, types and use	1748	28–36
ginning—		
Charles A. Bennett and F. L. Gerdes	1748	1–46
improvement, machinery, and processes	1748	1–4
methods, cause of losses	1686	21–25
plants, planning and equipping, recommendations	1748	39–43
growers, errors in judgment	1686	1–2
improvement, recommendations	1686	4–6
inferior, causes	1686	7–9
injury by bollworm	1595	1, 4, 6
insects, control measures, summary	1688	27–28
leaf—		
diseases, symptoms	1745	29–31
perforator, description and control	1688	14–15
worm, description and control	1688	4–6
lightning injury, description and damage	1745	29
lint percentage, factors determining	1661	14–16
losses, factors affecting	1686	10–25
magnesium deficiency, occurrence, symptoms, and prevention	1745	27
plant—		
bug, description and control	1688	18
characteristics	1661	1–12
farm study. J. W. Hubbard	1661	1–18
insect enemies. J. W. Folsom	1688	1–29
pressing and baling, processes	1748	38–39
prices, effect on planting	1686	9–10

[1] Revised.

	Farmers' Bulletin No.	Page
Cotton—Continued.		
production—		
common errors in. O. F. Cook	1686	1–26
general considerations	1688	26–27
protection from bollworm, methods	1595	10–14
root knot, range, symptoms, cause, and control	1745	14–18
root rot, symptoms, cause, hosts, and control	1745	1–8
rust, range, symptoms, and control	1745	23–25
seed—		
and lint characters	1661	9–12
cleaners and extractors, description and use	1748	12–24
driers, description and use	1748	5–9
houses at the gin, description and requirements	1748	9–12
square borer, damage and control	1688	16
stainer, damage and control	1688	17–18
verticillium wilt, symptoms, cause, and control	1745	12–14
yield increase from use of green manure	1663	9–10
Cotton Belt, winter legumes for green manure. Roland McKee and A. D. McNair	1663	1–21
Covert, Roy N.: Protection of Buildings and Farm Property From Lightning	1512 [1] 1512	1–33 1–33
Coverts—		
for upland game birds, improvement	1613	16–18
planting for game birds	1521	12–13, 43
Coville, Perkins: Growing Christmas Holly on the Farm	1693	1–22
Cowgill, H. B.: Sorgo for Sirup Production: Culture, Harvesting, and Handling	1619	1–38
Cow(s)—		
abortion, infectious, cause, symptoms, and treatment	1536	1–14
beef—		
breeding stock, requirements	1592	4
gestation table	1592	9
herd, feeding and care	1592 [1] 1592	7–8 7–8
qualifications	[1] 1592	4
breeding for spring and fall calves	1592	8–9
dairy—		
breeding by cooperative bull associations	1532	1–14
butterfat production, relation to cost of keeping	1604	18
feed constituents, functions	[1] 1626	2–6
feeding—		
T. E. Woodward	[1] 1626	1–34
T. E. Woodward and A. B. Nystrom	1626	1–18
suggestions	[1] 1626	32–33
feeds—		
characteristics	[1] 1626	7–17
kinds and quantities advisable	[1] 1626	26–32
nutritive values, relative	[1] 1626	18–23
grain ration, preparing	[1] 1626	23–26
grain rations on excellent, good, or poor pasture, recommendations	[1] 1626	28
keeping costs	1610	12–13
milk production, improvement by testing	1604	1–14, 18–19
not on pasture, grain rations, recommendations	[1] 1626	30
selection for foundation herd	1610	8–9
summer feeding, recommendations	[1] 1626	27–28
utilization of feed	[1] 1626	1–2
winter feeding, recommendations	[1] 1626	28–31
digestive tract and process of digestion	1626	4
dual-purpose—		
profits from	[1] 1592	4
selection	1592	4–5
family, care and profits	1733	12–14
feed requirements, calculating	[1] 1626	20–23
freshening—		
care	1723 [1] 1723	2 2

[1] Revised.

	Farmers' Bulletin No.	Page
Cow(s)—Continued.		
freshening—Continued.		
time, effect on production	1604	14
infection with abortion bacilli	1536	4–5
milk production, results from feeding legume hays	1573	1–6
retention of afterbirth, treatment	1536	12–13
sterility, cause and prevention	1536	13–14
Cowpea(s)—		
curculio, pest on cotton, control	1688	22–23
growing experiments in South Dakota	1511	23
growing with soybeans, yields	1520	24
	[1] 1520	26 27
value as summer green-manure crop	1750	11
Crabapples, varieties for growing on Northern Great Plains	1522	32
CRAM, ELOISE B.: Diseases and Parasites of Poultry. With John S. Buckley and Hubert Bunyea	1652	1–62
	[1] 1652	1–68
Cranberries—		
frost protection	1588	34
shipping containers, description	1579	19–21
	[1] 1579	19–20
Crates—		
asparagus, description and use	1646	18–19
fattening, for chickens, construction	1554	30
strawberry, types and use	1560	13–14,
	[1] 1560	20–21
		14–16
use for shipping fruits and vegetables, recommendations	1579	1–36
	[1] 1579	1–34
"Crazy chick" disease, of poultry, cause and treatment	[1] 1652	6
Crazy top of cotton, symptoms and control	1745	25–27
Cream, marketing by parcel post, recommendations	1551	51–52
	[1] 1551	51–52
Creamery, cooperative, buildings for, uses, plans, and costs	1622	2–6
Creosote—		
kerosene mixture, use in protecting wood from borers	[1] 1582	17
use in control of gypsy moths	1623	16
Cress, culture in farm garden	1673	41
	[1] 1673	41
Cricket, mole—		
description and damage	1561	1–3
life history and habits	1561	3–5
poisoning instructions	1561	6–8
Porto Rican. W. A. Thomas	1561	1–9
Cropping systems—		
changes due to corn-borer infestation	1562	16–20
use of lespedeza	1724	13–16
Crops—		
fleshy-fruited warm-season, culture in farm garden	[1] 1673	63–67
low-growing, protection from frost by heating	[1] 1588	36–38
orchard, on irrigated lands	1518	22, 24
summer, for green manure and soil improvement. Roland McKee	1750	1–17
Cropworms, description, importance, and treatment	1652	47–48
CROSBY, M. A.—		
Preparing Johnson Hay for Market in the Black Prairie Belt of Alabama and Mississippi	1574	1–20
Systems of Livestock Farming in the Black Prairie Belt of Alabama and Mississippi. With R. D. Jennings	1546	1–34
Sweetclover in Corn Belt Farming. With L. W. Kephart	1653	1–26
	[1] 1653	1–25
The Production of Johnson Grass for Hay and Pasturage. With H. N. Vinall	1597	1–26
Cross breeding, Karakul sheep, and grading up	1632	6–9
Crotalaria spp., value as summer green-manure crops	1750	12

[1] Revised.

	Farmers' Bulletin No.	Page
CROUCH, W. E.—		
Pocket-Gopher Control	1709	1–21
Rat Proofing Buildings and Premises. With James Silver and M. C. Betts	1638	1–26
Crown—		
canker of roses, cause, symptoms, and control	1547	15–17
	[1] 1547	17–18
gall of—		
pecans, nature and control	1672	11
roses, cause, symptoms, and control	1547	18–19
	[1] 1547	19–20
Cryolite, use in control of Mexican bean beetle	[1] 1624	10–11
Cube powder, use in control of Mexican bean beetle	[1] 1624	10
Cucumber(s)—		
acreage, production, shipments, and prices, 1920–26	1563	1–3
angular leaf spot, symptoms and control	1620	13–14
anthracnose, description and control	1620	14
beetle—		
spotted, damage to peaches and control	1557	36–37
striped, habits and control	[1] 1563	13–15
striped, occurrence and control	1620	9–11
cultivation and irrigation	[1] 1563	12–13
culture in farm garden	1673	49–50
	[1] 1673	49–50
diseases, kinds, causes, and control	1563	15–18
	[1] 1563	17–20
distribution, acreage, and value for pickling, 1925–28	1620	1–2
downy mildew, cause, symptoms, and control	1620	14
for pickling, demands, yields, and returns	1620	16–17
gathering and packing	1563	19–22
	[1] 1563	20–21
growing—		
W. R. Beattie	1563	1–22
	[1] 1563	1–22
for pickling. J. H. Beattie	1620	1–18
in hotbeds and coldframes	1743	25–26
industry, importance and outlook	[1] 1563	1–2
insect enemies	1563	13–15
	[1] 1563	13–17
insects, description and control	1746	40
	[1] 1746	40
loading and shipping	[1] 1563	21–22
marketing by parcel post	[1] 1551	28
mosaic, occurrence, transmission, and control	[1] 1563	17
pickling—		
equipment	1620	2–3
types	1620	5, 16
planting frame crop and management of frames	[1] 1563	8–11
pollination	1563	12–13
	[1] 1563	11–12
scab, symptoms and control	1620	13
seed supply and planting, and protection of field crop	[1] 1563	6–8
shipping containers, description	1579	21
	[1] 1579	21
soil—		
and fertilizer requirements	[1] 1563	2–4
preparation	[1] 1563	4–5
value as subsistence crop	1746	40
	[1] 1746	40
varieties, description and value	[1] 1563	5–6
vines, dusting for control of striped cucumber beetle	1620	9–10
Cucurbits, culture in farm garden	[1] 1673	48–52
Cupboards, plans for farm kitchens	1513	22–24
Curculio. *See* under specific host.		
Curd, formation in milk, and effects	1705	14

[1] Revised.

	Farmers' Bulletin No.	Page
Curing—		
alfalfa hay, methods, recommendations	1539	7 10
broomcorn, practices, discussion	1631	20-24
Curly top of beans, symptoms, cause, and control	[1] 1509	13
Currant(s)—		
black European, host of white-pine blister rust	1522	39
insects, control measures	1666	89–90
marketing by parcel post, recommendations	[1] 1551	20
pruning, recommendations	1522	23
	[1] 1522	25
Curtaining, window. Bess M. Viemont	1633	1–30
Curtain(s)—		
making, methods	1516	26–37
rods, types and use	1633	20
window—		
Mary Aleen Davis	1516	1–38
kinds and uses	1633	8-12
planning, making, and hanging	1633	12–29
relation to color plan	1516	7–11
Cuttings, tree and shrub, rooting and care	1567	12-21
Cutworms—		
damage—		
and control	1746	16,19, 23–24
to asparagus	1646	23 24
	[1] 1646	24–25
to lettuce	1609	21–22
	[1] 1609	21
to sugar beets, and control	1637	28
pests on cotton, control	1688	24–25, 26
Cyanide, fumigation of orchards, recommendations	1666	30-32
Dairy—		
buildings, planning, construction, and equipment	1610	4–5
farming—		
for beginners. J. B. Shepherd	1610	1 14
profit factors	1610	12–14
herd—		
foundation, selection	1610	6–11
improvement—		
association, constitution and bylaws	1604	19–20
association, organization, cost, and work	1604	15 17
associations, and stories the records tell. J. C. McDowell	1604	1–21
associations, numbers, 1906–29	1604	3–4
through cooperative bull associations. J. C. McDowell	1532	1–14
management, suggestions	1610	11–14
stock, young, feeding, care, and management. Joseph B. Shepherd and Fred W. Miller	1723	1–33
	[1] 1723	1–44
Dairying—		
Alabama and Mississippi, expansion, and needs	1546	12–15, 23–30
cooperative bull associations, value	1532	1 14
Dakotas, forage crops, culture	1511	1-46
Damping-off, cotton, symptoms, cause, and prevention	1745	27–28
Dams—		
concrete, for farm reservoirs, construction	1703	9–12
earth, for farm reservoirs, construction	1703	4–6
farm, designs and construction	1658	12-13
rock-fill, for farm reservoirs, construction	1703	8–9
Dandelion, planting and cultivating in farm garden	1673	33
	[1] 1673	33
Dasheen, culture in farm garden	1673	43
	[1] 1673	43–44

[1] Revised.

	Farmers' Bulletin No.	Page
DAVIS, E. G.: The Red Harvester Ant and How to Subdue It. With V. L. Wildermuth	1668	1–22
DAVIS, MARY ALEEN: The Principles of Window Curtaining	1516	1–38
DAVIS, ROBERT W.: Containers Used in Shipping Fruits and Vegetables. With H. A. Spilman	1579	1–36
	[1] 1579	1–34
DAWSON, J. R.: Legume Hays for Milk Production	1573	1–6
Deer, game laws, 1931–32	1684	4–5
Dehorning, cattle, and prevention of horn growth	1600	1–4, 11–12
Delaware—		
fur laws—		
1926–27	1515	9–10
1927–28	1552	8
1928–29	1576	8
1929–30	1618	11
1930–31	1648	10
1931–32	1685	10
game laws—		
1926–27	1505	7, 8, 9, 14, 43
1927–28	1550	15–16, 44
1928–29	1575	15
1929–30	1616	13–14, 43
1930–31	1647	14, 43
1931–32	1684	17, 49
1933–34	1717	13–14
1934–35	1742	11
DEMAREE, J. B.: Diseases of Pecans in the Southern States	1672	1–28
DENMEAD, TALBOTT: Game Laws for the Season 1926–27. With Frank L. Earnshaw	1505	1–46
Deodorants, use in rat control	1533	18
	[1] 1533	18
Dermanyssus gallinae, infestation of poultry, treatment	1652	56–57
Derris—		
extracts, use in insect control	1666	26
use in control of Mexican bean beetle	[1] 1624	18
Desserts, milk as an ingredient, use	1705	27–20
Dewberries—		
diseases and insect pests	1746	46
value as subsistence crop	1746	46
	[1] 1746	46
Diaporthe sojae, cause of pod and stem blight of soybean	1520	30–31
Diarrhea—		
in rabbits, causes, symptoms, and treatment	1568	29–30
treatment for pheasants	1521	34
white, of poultry, cause, symptoms, and treatment	1652	10–11
DICKSON, JAMES G.: Scab of Wheat and Barley and Its Control. With E. B. Mains	1599	1–18
DIEHL, H. C.: Removing Spray Residue From Apples and Pears. With J. M. Lutz and A. L. Ryall	1687	1–32
Digestion, in cows, description of process	1626	4
DILLMAN, A. C.—		
Flaxseed Production by Power Farming Methods in the Northern Great Plains. With E. A. Starch	1650	1–17
Flaxseed Production in the North Central States. With T. E. Stoa	1747	1–18
Dining room, curtains for	1516	23–24
Diphtheria, of poultry, cause, symptoms, and prevention	[1] 1652	17–20
Dipping vats, for cattle, types and construction	1584	16, 19–20
Diseases of poultry. John S. Buckley, Hubert Bunyea, and Eloise B. Cram	1652	1–62
	[1] 1652	1–68
Disinfectants—		
application to poultry	1652	3–4
	[1] 1652	3–4
use in poultry houses	1524	26–27
Disinfection, potato seed, recommendations	1639	4–5
Dispharynx spiralis, description, life history, and control	1652	48–49

[1] Revised.

	Farmers' Bulletin No.	Page
District of Columbia, game laws—		
1926–27	1505	7, 14, 42, 43
1927–28	1550	16, 44
1928–29	1575	15
1929–30	1616	14, 43
1930–31	1647	14, 43
1931–32	1684	18, 49
Ditch(es)—		
drainage, kinds and construction	1606	3–6
farm, use in irrigation practices	[1] 1630	6–8
field—		
construction for irrigating small grain	[1] 1556	4
water distribution, methods for small grain	[1] 1556	4–8
systems, use in surface irrigation, description	1635	19–21
Dockage, grain, cause, prevention, and utilization	1542	1–5, 8–11
Dogs—		
anthrax, symptoms	1736	6
value in rat control	[1] 1533	18
Doors, kitchen, number and arrangement	1513	8
Dove, W. E.: Horse Bots and Their Control. With F. C. Bishopp	1503	1–14
Doves, game laws, 1931–32	1684	7, 10
Downy—		
mildew. *See* Mildew, downy.		
spot on pecans, description	1672	13
Drainage—		
benefits to soil	1606	1–2
farm. Lewis A. Jones	1606	1–25
importance in orchard irrigation	1518	26–27
practices in growing sugar beets	1645	8–9
relation to dryness of cellars	1572	8–9, 11
vertical, use and cost	1606	24
Drains—		
mole, construction and use	1606	6
tile, construction, and costs	1606	13–23
tile, use for erosion prevention	1669	10–11
Draintile, weights and prices in Middle West, 1929	1606	23
Draperies, side, for windows, making	1633	9, 25–27
Dresses—		
cutting, instructions	1530	4
fitting. Maude Campbell	1530	1–30
Dressmaking, instructions for cutting and fitting	1530	1–30
Drought, resistance of alfalfa	1511	8
Dry—		
cleaning of apples, inefficiency	1687	5–6
farming—		
methods in wheat growing, Columbia and Snake River Basins. Byron Hunter	1545	1–22
use of large power units	1545	19–20
land, oats, growing and harvesting	1611	3, 5–7, 8 9, 11–19
Duck(s)—		
lameness, cause, symptoms, and treatment	1652 [1] 1652	24 30–31
wild—		
disease prevention	1521	53
feeding on game farms	1521	50
pinioning and wing clipping	1521	49
propagation on bird farms	1521	46–53
Ducklings, wild, feeding on game farms	1521	52–53
Dunegan, John C.: Peach Brown Rot and Scab. With John W. Roberts	1527	1–14
Dusters, cotton, selection, types, and use	1729	1–14
Dusting—		
apparatus for fruit insects, description	1666	51–52

[1] Revised.

	Farmers' Bulletin No.	Page
Dusting—Continued.		
machinery, for cotton—		
new developments and selection	1729	1–2
operating costs	1729	11–12
machines—		
for control of Mexican bean beetle	[1] 1624	16–17
for cotton, types	1729	3–10
See also under crop dusted.		
Dusts—		
formulas for peach protection	1527	14
use against cucumber insects	1563	13–16
Dynamite, use in excavation of drainage ditches	1606	5–6
EARNSHAW, FRANK L.—		
Fur Laws for the Season 1926–27. With Frank G. Ashbrook	1515	1–28
Fur Laws for the Season 1927–28. With Frank G. Ashbrook and Frank G. Grimes	1552	1–28
Fur Laws for the Season 1928–29. With Frank G. Grimes	1576	1–29
Fur Laws for the Season 1929–30. With Frank G. Grimes	1618	1–30
Game Laws for the Season 1926–27. With Talbott Denmead	1505	1–46
Game Laws for the Season 1927–28	1550	1–46
Game Laws for the Season 1928–29	1575	1–46
Game Laws for the Season 1929–30. With Frank G. Grimes	1616	1–46
Game Laws for the Season 1930–31. With Frank G. Grimes	1647	1–46
Earthworms—		
as pets and otherwise. W. R. Walton	1569	1–14
common species or kinds	1569	4–5
habits, senses, and reproduction	1569	3–4
natural enemies and eradication	1569	9–14
storing, rearing, and preparation for market	1569	8–9
uses and collection	1569	6–8
East, grapes, preparation for market. B. E. Shaffer	1558 [1] 1558	1–18 1–18
Eastern States—		
irrigation, methods in use	1635	1–2
irrigation, surface. F. E. Staebner	1635	1–38
Eberthella sanguinaria, cause of fowl typhoid	1652	16
Economics, farm and home, erection and cost of buildings	1622	20–21
Edema—		
of poultry, cause, symptoms, and treatment	1652	19
on pecans, description	1672	22
Education, agricultural, value of rural library	1559	1–4
Eelworm(s)—		
damage to peas, and control	1735	17–19
sugar-beet, control by crop rotation. Gerald Thorne	1514	1–20
Egg(s)—		
binding, of poultry, cause, symptoms, and treatment	1652	25
birds', care, hatching, and shipping	1521	12, 25–27, 38–39
eating by pheasants, cure	1521	32
for children, place in diet	1674	5
hatching—		
factors affecting	1524	8
in incubators	1538	7–14
marketing—		
by parcel post, recommendations	1551 [1] 1551	39–42 39–42
preparation	1524	23
packing for mailing, recommendations	[1] 1551	42
pheasant, care and hatching, on bird farms	1521	25–27
preservation for home use, instructions	[1] 1508	29

[1] Revised.

	Farmers' Bulletin No.	Page
Egg(s)—Continued.		
prices, relation to time of production	1524	2
production—		
breeding chickens for	1524	5–7
feeding chickens for	1508	22
	1524	16–18
	1541	1, 2, 5, 6, 15–22
increase by artificial lighting	1541	21–22
records, keeping	1614	8
selection of hens for. J. P. Quinn	1727	1–18
quail, care and hatching on bird farms	1521	38–39
selection for hatching	1538	4–5
upland game birds, shipping	1613	16
wild duck, care and hatching on game farms	1521	51
Eggplant(s)—		
culture in farm gardens	1673	63
	[1] 1673	63
diseases, description and control	1746	37
	[1] 1746	37
growing in hotbeds and coldframes, requirements	1743	24–25
insects—		
damage and control	1746	37
description and control	[1] 1746	37
marketing by parcel post, recommendations	[1] 1551	28
value as subsistence crop	1746	37
	[1] 1746	37
Eimeria spp., cause of coccidiosis in poultry	1652	35–39
Electric—		
conveniences for modern farmhouses	1749	5–6
devices, installation, care for fire prevention	1590	19
	[1] 1590	19
	1643	7–8
	[1] 1643	8
fixtures, caution in use	1513	10
Electricity, use in heating beds and plant houses	1743	12–16
Elevators, grain, types, construction and use	1636	28–32, 33
Elk, game laws, 1931–32	1684	5
Embankments, earth, for farm reservoirs, protection	1703	7–8
Emmer—		
harvesting with combine, adjustments	1565	3
nematode galls, description	1607	3
Emphysema, subcutaneous, of poultry, cause and treatment	[1] 1652	31–32
Emulsions—		
lubricating-oil, preparation	1676	2–10
soap-oil, formula	1676	4–8
soapless, specifications	1676	8–10
spray, character	1676	1–2
Endive, culture in farm garden	1673	38–39
	[1] 1673	38–39
Endothia parasitica, cause of chestnut blight, description and activity	1641	7–10
Engines, stationary and automotive, fire hazards and precautions	[1] 1678	6
ENLOW, C. R.: Planting and Care of Lawns. With H. L. Westover	1677	1–18
Enterohepatitis, of poultry, cause, symptoms, and treatment	[1] 1652	38–39
Entomophthora aulicae, enemy of brown-tail moth	1623	27–28
Erosion—		
gully, control measures	1737	II, 1–14
injury to soil	1669	1–4
prevention, methods	1669	4–22
soil—		
checking by black locust plantings	1628	2–3
prevention by reclamation of gullies	1697	1–17
prevention by use of lespedeza	1724	12–13

[1] Revised.

	Farmers' Bulletin No.	Page
Erysiphe polygoni, cause of powdery mildew of peas, control	1735	19–21
Escherichia coli, cause of choleralike diseases in poultry	1652	15–16
Ethylene chloride, use in destruction of red harvester ants	1668	19
Europe, corn-borer damage	[1] 1548	15
Evergreens, transplanting, essentials	1591	7, 8–9, 11, 14, 19, 29
Ewes, surplus, culling on the range	1710	28–30
Ewing, Paul A.: Irrigation Practices in Growing Alfalfa. With Samuel Fortier, Harry F. Blaney, Leslie Bowen, M. R. Lewis, James C. Marr, R. L. Parshall, and A. A. Young	[1] 1630	1–27
Expenditures, family, planning and recording. Chase G. Woodhouse	1553	1–22
Explosives, use in clearing land	1526	26, 30
Extension, agricultural, value of rural library	1559	1–4
Eye worm, Manson's, damage, life history, and control	1652	44–45
Eyre, F. H.: Christmas Trees as a Cash Crop for the Farm	1664	1–17
Fallow, summer—		
dry-farming methods in Northwest	1545	10–15
prevention of soil blowing	1545	14–17
value in tree planting	1603	6
Family expenditures, planning and recording. Chase G. Woodhouse	1553	1–22
Faris, J. A.—		
Wheat Smuts and Their Control. With V. F. Tapke and H. A. Rodenhiser	1711	1–17
Wheat Smuts and Their Control. With R. W. Leukel, V. F. Tapke, and H. A. Rodenhiser	[1] 1711	1–18
Farm—		
beef production. W. H. Black and E. W. McComas	[1] 1592	1–14
bird refuges, value and maintenance	1644	2–3
budgeting. J. B. Hutson	1564	1–22
	[1] 1564	1–22
bulk storage for small grains. M. A. R. Kelley and E. G. Boerner	1636	1–46
bureau, county, building, erection, costs, and use	1622	21–24
cash crop of Christmas trees. F. H. Eyre	1664	1–17
center building, erection, costs, and uses	1622	24–26
construction for fire protection	[1] 1590	1–22
construction, use of logs and poles. T. A. H. Miller	1660	1–26
drainage. Lewis A. Jones	1606	1–25
fire-protective construction	[1] 1590	1–22
gardens. *See* Gardens, farm.		
home, heating. Arthur H. Senner	1698	1–18
irrigation, systems, description	[1] 1630	4–6
losses from fire	[1] 1643	1–3
management, in flax and spring wheat growing regions	1650	4–11
practices—		
effect upon wild life	1719	30–33, 42–44
under corn-borer conditions. Jesse W. Tapp, George W. Collier, and C. R. Arnold	1562	1–22
produce, marketing by parcel post. Lewis B. Flohr	1551	1–54
production information—		
sources open to farmer	[1] 1564	15–16
use in budgets	[1] 1564	14–15
property, protection from lightning. Roy N. Covert	1512	1–33
	[1] 1512	1–33
requirements for dairying	1610	3–4
safeguarding from fire. V. N. Valgren, Harry E. Roethe, Wallace Ashby, M. C. Betts, William H. Rowe, and Wilbur R. Mattoon	[1] 1643	1–30
storage and safe use of gasoline and kerosene	[1] 1678	1–14
terracing. C. E. Ramsey	1669	22

[1] Revised.

	Farmers' Bulletin No.	Page
Farm—Continued.		
water power. George M. Warren	1658	1–22
woods, Northern States, value for timber crops	1680	1–21
Farmers—		
business relations with parcel-post customers, establishment	[1] 1551	5–8
fire-protective association, organization	1667	14–17
payments to, for parcel-post purchasing	[1] 1551	15–16
Farmhouse(s)—		
construction for fire protection	1590	3–19
fire—		
hazards and protection	[1] 1590	3–18
stopping, recommendations	[1] 1590	5, 6–8
heat conservation methods	1698	14–17
heating—		
and lighting equipment, protection for fire prevention	[1] 1590	18–19
requirements and methods	1698	1–17
modernization. Wallace Ashby and Walter H. Nash	1749	1–62
plans—		
Wallace Ashby	1738	1–70
for various types and regions	1738	7–70
remodeling—		
costs and financing	1749	20–24
methods	1749	24
plans	1749	19–20, 25–61
requirements, construction materials, and costs	1738	1–6
Farming—		
Corn Belt, adjustment to corn-borer conditions. Kenneth H. Myers	1681	1–26
dairy, for beginners. J. B. Shepherd	1610	1–14
making plans for coming year	[1] 1654	6–8
power, methods in flaxseed production in northern Great Plains. A. C. Dillman and E. A. Starch	1650	1–17
subsistence, soil and fertilizer requirements	1746	2
system, planning with a budget	1564 [1] 1564	9–10
Farmstead—		
elimination of fire dangers, methods	[1] 1643	3–14
site, determining factors	1660	3–5
Fat(s)—		
content of dairy cow's feed, functions	[1] 1626	3–4
for children, place in diet	1674	7
functions and efficiency in cattle feed	1626	2–3
Favus, of poultry, cause, symptoms, and treatment	1652 [1] 1652	28 23–24
Feather(s)—		
pulling—		
in pheasants, remedy	1521	33
in poultry, treatment	1652 [1] 1652	26 32
turkey, saving, packing, and prices	1694	17–18
Feed(s)—		
cattle, combinations for dry lot	1549	5–6
chickens, requirements and composition	1541	1–5, 7–20, 23
consumption by laying hens	1524	2
crops, growing for dairy herd	1610	5–6
dairy cattle—		
characteristics	1626 [1] 1626	1–17 7–17
nutritive values, relative	[1] 1626	18–23

[1] Revised.

	Farmers' Bulletin No.	Page
Feed(s)—Continued.		
dairy cows—		
evaluation methods	[1] 1626	18–20
kinds and quantities advisable	[1] 1626	26–32
livestock—		
production on small acreages	1733	16–17
value of Johnson hay	1597	14–16
Feed-lot equipment, for—		
beef cattle. W. H. Black	[1] 1584	1–18
beef cattle. W. H. Black and V. V. Parr	1584	1–22
cattle, recommendations	1549	13–16
mixed, commercial, value for dairy cows	1626	10
poultry, records, keeping	1614	8–10
requirements of dairy cows, calculating	[1] 1626	20–23
Feed troughs for beef cattle, construction	1584 [1] 1584	5–6 5
Feeders, self, for beef cattle, use and construction	[1] 1584	4–5
Feeding—		
aquatic birds, directions	1612	31, 34–35
beef cattle, on farm	1592	5–8, 9–12, 13–14
cattle, dry-lot, recommendations	1549	5–10
cattle for beef. W. H. Black	1549	1–17
chickens	1508	8–9, 11–14, 22–25
dairy cows. T. E. Woodward and A. B. Nystrom	1626	1–18
floors, for beef cattle, construction	1584 [1] 1584	8 8
hogs, methods	1504	1–6
livestock—		
in shipment	1502	18
on shredded stover	1589	5–7
on soybeans and soybean products, value	1617	6–27
See also under specific kinds of livestock.		
Fences—		
for game birds, construction	1613	4–6
for sheep raising, construction	1710	18
vermin-proof, for bird farms	1521	4–6
wire, conduction of lightning	1512	23
Fennel, Florence, culture in farm gardens	[1] 1673	66
Fertilizer(s)—		
for—		
alfalfa, recommendations	1722	11–12
asparagus, requirements	1646	2–4
corn, requirements	1714	2–4
cucumbers, requirements	1563 [1] 1563 1620	3–5 2–4 4–5
garden vegetables, requirements	1673 [1] 1673	3–6 3–5
lawns, recommendations	1677	3, 12–13
mushrooms, preparation and use	1587	8–10
peanut growing, kinds	1656	3–7
soybeans, use and value	1520	12–13
tobacco, use in Pennsylvania	1580	4–5, 7–8
requirements of—		
fall-sown oats	1640	4–5
subsistence homestead	1733	9
soybean meal, value and constituents	[1] 1617	15–16
soybean, use and value	1617	23–27
use in growing—		
green-manure crop	1663	3–4
lespedeza, recommendations	1724	11–12

[1] Revised.

	Farmers' Bulletin No.	Page
Fertilizer(s)—Continued.		
use in growing—Continued.		
lettuce	1609	5
oats	1583	3–4
oats in North-Central States	1581	3–4
popcorn	1679	7–8
sorgo for sirup	1619	8–10
sugar beets in rotations	1637	12–13
	[1] 1637	14–18, 21–22
	1645	11–12
sweet corn	1634	5
Figs, shipping containers, description	1579	21
	[1] 1579	21
Filberts, propagation methods	1501	2–5
Fire—		
aid in clearing cut-over land	1526	7–11
damage to—		
shortleaf pine	1534	37, 40–41
timber crops	1517	23–24
danger on farm, elimination	1643	3–13
	[1] 1643	3–14
departments, rural—		
communities. Wayne C. Nason	1667	1–46
financing methods	1667	5–6
equipment, rural, financing projects	1643	20–21
extinguishers, chemical, use in fighting fires	1643	15–18
	1678	10–14
	[1] 1678	11–14
farm—		
losses due to petroleum and its products	1678	1
	[1] 1678	1
prevention by building construction	1590	2–21
prevention by proper storage of gasoline and kerosene	1678	7–10
fighting, home equipment, recommendations	1643	13–18
	[1] 1643	14–19
forest, effect on growing trees	1671	41–42
gasoline and kerosene—		
extinguishing methods	1678	10–14
	[1] 1678	11–14
prevention, recommendations	[1] 1678	2–5
hazards on farm, precautions	1678	1–7
protection—		
by construction on farm	[1] 1590	1–22
community, recommendations	[1] 1643	24–25
rural, organization and legislation	[1] 1643	24–29
	1667	43–46
protective—		
association, rural, organization	1667	14–17
construction on farm	1590	22
safeguards for farm—		
V. N. Valgren, Harry E. Roethe, and M. C. Betts	1643	1–22
V. N. Valgren, Harry E. Roethe, Wallace Ashby, M. C. Betts, William H. Rowe, and Wilbur R. Mattoon	[1] 1643	1–30
stopping in farmhouses, recommendations	1590	5–7
	[1] 1590	5, 6–8
Fireplaces—		
construction—		
and chimneys	1649	1–18
for fire prevention	1590	15–16
	[1] 1590	17
use, and essentials of construction	1649	11–17

[1] Revised.

	Farmers' Bulletin No.	Page
Fish—		
oil, use against orchard insects	1666	19, 23–24, 29, 40
use in control of mosquito larvae	1570	12
Fisher, game laws, 1931–32	1685	3
Fiske, George B.: Marketing Late-Crop Potatoes. With Wells A. Sherman and J. W. Park	1578	1–46
Flagellates, in rabbits, control	1568	16
Flagpoles, lightning protection	1512	21–22
	[1] 1512	22
Flatheaded borers, damage to log cabins, rustic work, and unseasoned wood	[1] 1582	11–12, 14–15
Flax—		
canker, kinds, causes, symptoms, and control	1728	15
	[1] 1728	16
diseases, description and control	[1] 1728	13–15
	1747	16–18
fiber—		
and seed, acreage and production in specified countries, 1937	[1] 1728	2
climatic, soil, and seed-bed requirements	1728	2–5
	[1] 1728	3–6
diseases, causes, symptoms, and control	1728	13–15
growing season, irrigation, and weed control	1728	11–12
	[1] 1728	11–13
harvesting, threshing, and yield	1728	15–20
	[1] 1728	16–22
history in United States and growing area	[1] 1728	2–3
markets and manufactured products	1728	25–26
	[1] 1728	27–28
planting and seed requirements	1728	6–11
	[1] 1728	7–11
production. B. B. Robinson	1728	1–26
	[1] 1728	1–29
rotation and fertilizers	1728	5–6
	[1] 1728	6–7
growing—		
after spring wheat, practices	1650	4–5, 7, 8, 11
harvesting, rotation, and weed control	1747	7–14
with wheat and under irrigation	1747	14–16
harvesting—		
methods	1650	11–15
with combine, instructions	1565	3
history in United States, and growing area	1747	2–4
place in farming system in North-Central States	1650	1–2
plant, description, and characteristics of oil	1747	1–2
rust, cause, symptoms, and control	1728	14
	[1] 1728	14
seed-bed preparation and seeding	1650	9–11
spinning, preparation	1728	21–25
	[1] 1728	23–27
varieties—		
description	[1] 1728	10–11
	1747	5–7
wilt-resistant	1650	11
wilt, damage, cause, symptoms, and control	1728	13–14
	[1] 1728	13–14
yield, comparison with spring wheat	1650	2–3
Flaxseed—		
cleaning and storing, recommendations	1747	16
losses from dockage	1542	3, 5, 7–8
moisture content	1650	15–16

[1] Revised.

	Farmers' Bulletin No.	Page
Flaxseed—Continued.		
production—		
areas	1650	2
by power farming methods in northern Great Plains. A. C. Dillman and E. A. Starch	1650	1–17
in North Central States. A. C. Dillman and T. E. Stoa	1747	1–18
uses, markets, and manufacture	1747	4–5
Flea beetles—		
damage to sugar beets, and control	1637	29
description and control remedies	1746	15–16
mint, damage and control	1555	23
Fleas—		
chicken, occurrence and control	1652	61–62
poultry, treatment and prevention	[1] 1652	66–67
rabbit, species, symptoms, and treatment	1568	10
sticktight, occurence and control	1652	61–62
Flohr, Lewis B.: Marketing Farm Produce by Parcel Post	1551 [1] 1551	1–54 1–54
Floors—		
farmhouse, care of, recommendations	1749	10–11
feeding, for beef cattle, construction	[1] 1584	8
kitchen, finishing	1513	11
Florida—		
fur laws—		
1926–27	1515	10
1927–28	1552	8–9
1928–29	1576	9
1929–30	1618	11
1930–31	1648	10
1931–32	1685	10
game laws—		
1926–27	1505	7, 8, 14–15, 42
1927–28	1550	16, 44
1928–29	1575	15–16
1929–30	1616	14, 43
1930–31	1647	14–15, 43
1931–32	1684	18–19, 49
1933–34	1717	14
1934–35	1742	5–6, 11–12
tobacco budworm and its control. A. C. Morgan and F. S. Chamberlin	[1] 1531	1–10
Flour, soybean, preparation and value	[1] 1617	4
Flowers, marketing by parcel post, recommendations	1551 [1] 1551	53 53
Flues—		
chimney—		
cleaning and repairing	1649	11
construction requirements	1649	2–7, 9, 11, 12–13
smoke leakage, test	1590	14
Flukes—		
poultry, treatment and prevention	1652 [1] 1652	40–41 44–46
in rabbits, symptoms and control	1568	19
Flume, Parshall measuring, dimensions and operation	1683	8–15
Fly (ies)—		
infestation of calf pen, prevention	1723 [1] 1723	31–32 41
sprays, use against heel fly	1596	15–16
See also under individual name.		
Folsom, J. W.: Insect Enemies of the Cotton Plant	1688	1–29

[1] Revised.

	Farmers' Bulletin No.	Page
Food(s)—		
for children. Rowena Schmidt Carpenter and Helen Nebeker Hann	1674	1–22
human, use of soybeans	1617	2–6
preparation, uses of milk	1705	24–28
pure, laws for shipping farm produce	1551	4
supply for wildlife on farm, increasing	1719	33–40
Forage—		
crops—		
and their culture in northern Nebraska and the Dakotas. Samuel Garver	1511	1–46
grasshopper control in. J. R. Parker, W. R. Walton, and R. L. Shotwell	1691	1–14
	[1] 1691	1–17
green—		
chemical analyses	[1] 1617	23
food value for dairy cows	1626	8
Forest fires, effect on growing trees	1671	41–42
Forestry, methods for control of southern pine beetle	1586	15–18
Formaldehyde, treatment of—		
oat seed for smut	1581	17–19
	1583	6–8
seed wheat for bunt	1711	9
Fortier, Samuel—		
Irrigation Practices in Growing Alfalfa	1630	1–26
Irrigation Practices in Growing Alfalfa. With Harry F. Blaney, Leslie Bowen, Paul A. Ewing, M. R. Lewis, James C. Marr, R. L. Parshall, and A. A. Young	[1] 1630	1–27
Foulbrood, American—		
cause, spread, and symptoms	1713	1–3
treatment. Jas. I. Hambleton	1713	1–14
Fowl(s)—		
examination for presence of parasites, procedure	1652	29–30
	[1] 1652	34 35
pest, European, spread, symptoms, and control	1652	19–20
typhoid, cause, symptoms, and treatment	1652	16
	[1] 1652	13
Fox, game laws, 1931–32	1684	6
Frey, R. W.: Leather Shoes, Selection and Care. With F. P. Veitch and H. P. Holman	1523	1–22
Frost—		
and prevention of frost damage. Floyd D. Young	1588	1–62
	[1] 1588	1–66
damaging temperatures	[1] 1588	46–59
definition and formation	[1] 1588	1–6
effect on composition of sorgo juice	1619	18
formation process, and factors affecting	1588	1–8
killing, dates in—		
northern Great Plains	1522	3
South Dakota	1511	4
marking, pears and apples, description and prevention	1588	50–51
	[1] 1588	52–53
occurrence, requirements	1588	6–8
predictions, value	[1] 1588	6–8
protection—		
economic phases	[1] 1588	38–42
methods	1588	9-44, 56–62
	[1] 1588	9–42
orchards, by heating, effectiveness	[1] 1588	63–65
Fruit(s)—		
and vegetable (s)—		
containers used in shipping. H. A. Spilman and Robert W. Davis	1579	1–36
growers' association, building, description and cost	1622	10 12

[1] Revised.

Fruit(s)—Continued.	Farmers' Bulletin No.	Page
deciduous—		
frost-damaging temperatures	1588	44–51
	[1] 1588	46–53
frost marking, description and prevention	[1] 1588	52–53
improvement through tree-performance records. A. D. Shamel and C. S. Pomeroy	1696	1–18
insect control studies	1666	1–92
pollination, experiments with smudging	[1] 1588	18–19
smudging, effects, experiments	[1] 1588	18–20
trees, variations, classification	1696	1–7
diseases on northern Great Plains, control	[1] 1522	28–30
food of European starling	1571	12–14, 15–16, 19–20
for children, place in diet	1674	5–6
garden—		
canning for home use	1733	10–12
See also Gardens, fruit.		
growing—		
in irrigated regions	1518	1–28
kinds adaptable to northern Great Plains	[1] 1522	34–52
preparation of ground	1522	8–9
use of lespedeza as orchard cover	1724	13
winter protection	1522	29
kinds and varieties adapted to home garden on northern Great Plains	[1] 1522	34–52
marketing by parcel post, recommendations	1551	18–24
	[1] 1551	18–24
moth, oriental, control measures	1666	37–38, 79–80
native, on northern Great Plains	1522	40–43
nursery stock, ordering and care on northern Great Plains	[1] 1522	9–11
production on small acreages	1733	4–5, 7, 8–9
protection from—		
frost, recommendations	[1] 1588	9–46
rabbits and mice	[1] 1522	30–32
shipping containers. H. A. Spilman and Robert W. Davis	1579	1–36
	[1] 1579	1–34
small—		
growing on northern Great Plains	[1] 1522	46–49
pruning on northern Great Plains	[1] 1522	24–26
spray residue removal	1687	1–31
spraying on northern Great Plains, directions and formula	1522	25–27
thinning, recommendations for northern Great Plains	1522	24–25
	[1] 1522	27–28
trees—		
bagging for insect control	1666	37
cultivation on northern Great Plains	1522	13–16
dormant, use of lubricating-oil sprays on. A. L. Quaintance, E. J. Newcomer, and B. A. Porter	1676	1–18
heeling in, directions	1522	9–10
injections for insect control, injury	1666	39
irrigation, methods	1518	10–19
irrigation, time, and frequency	1518	24–27
jarring for insect control	1666	36–37
leaf roller, control by oil spray	1676	15–16
planting and spacing directions, northern Great Plains	1522	10–13
planting instructions	1518	2–4
preparation of land for	1518	2
propagation, planting, and spacing on northern Great Plains	[1] 1522	11–14
protection from wind in northern Great Plains	1522	5–7

[1] Revised

	Farmers' Bulletin No.	Page
Fruit(s)—Continued.		
trees—Continued.		
pruning in northern Great Plains area	1522	17–22, 24
seedlings, planting and care	1567	9–12
smudging, effect on pollination	1588	16–19
spraying, recommendations	1666	4–5
spraying schedules	1666	71–73, 80–82, 83, 84, 89
transplanting, methods	1591	17, 29–31
winterkilling, cause and prevention	1518	27
worming, procedure and tools	1666	32–34
wounds and cavities, treatment for insect control	1666	41–42
value as subsistence crops	1746	42–54
	[1] 1746	42–54
varieties for growing on northern Great Plains	1522	30–45
washing machine, types and uses	1687	22–31
wild, growing on northern Great Plains	[1] 1522	49–52
See also under specific kinds.		
Fuels—		
kinds used in heating farmhouses	1698	13–14
kitchen, relation to size of room	1513	4, 16
orchard-heater—		
kinds and efficacy	[1] 1588	21–23
storage, recommendations	[1] 1588	33–35
use in filling silos, and costs	1725	11–17
Fumigants—		
effectiveness against moths in furniture	1655	28
use against—		
mosquitoes	1570	3–4
orchard insects, recommendations	1666	29–32
Fumigation—		
effectiveness against European starling	1571	24–25
furniture, for eradication of clothes moths	[1] 1655	27
furniture, for prevention of clothes moths	[1] 1655	24–26
rat shelters, recommendations	1533	10–14
	[1] 1533	10–14
Fungicides, use—		
against rose diseases	1547	6, 7, 8–9, 12, 13–14, 16–17, 19
in seed treatment of wheat and barley	1599	15–16
Fungus(i)—		
cause of peach diseases	1527	2–3, 5
diseases of poultry, cause, symptoms, and prevention	[1] 1652	22–24
injury to trees	1726	11–12
Fur(s)—		
catch, decline, 1930–31	1685	1–2
karakul, prices, relation to grade of sheep	1632	6–9
lambskin—		
classes	1632	2–3
trade names	1632	2
laws—		
1926–27. Frank G. Ashbrook and Frank L. Earnshaw	1515	1–28
1927–28. Frank G. Ashbrook, Frank L. Earnshaw, and Frank G. Grimes	1552	1–28
1928–29. Frank L. Earnshaw and Frank G. Grimes	1576	1–39
1929–30. Frank L. Earnshaw and Frank G. Grimes	1618	1–30
1930–31. Frank G. Grimes	1648	1–30
1931–32. H. P. Sheldon and Frank G. Grimes	1685	1–30
rabbit—		
industry, extent	1519	1, 12
	[1] 1519	1
trade names, list	[1] 1519	12–13
	1730	36–37

[1] Revised.

	Farmers' Bulletin No.	Page
Fur(s)—Continued.		
rabbit—Continued.		
value and market prospects	1730	2–3
rabbitskins for. D. Monroe Green	[1] 1519	1–14
raw, marketing center	1519	9
resources—		
conservation, necessity	1616	1–2
diminution, causes	1552	1–2
utilization, wasteful practices	1576	1–2
shipping, interstate	1515	3–4
value of rabbitskins	[1] 1730	2–3
Furnaces—		
farmhouse, protection for fire prevention	[1] 1590	18
fireproofing, directions	1590	17–18
relation to kitchen	1513	7
Furniture, upholstered—		
infestation by moths	[1] 1655	11–23
moths in, control. E. A. Back and R. T. Cotton	1655 [1] 1655	1–33 1–33
Fusarium—		
blight of—		
soybeans, cause, symptoms, and resistance	[1] 1520	35
wheat and barley, and its control	1599	1–17
culmorum, cause of cereal scab	1599	6
graminearum, summer-spore stage of cereal-scab fungus	1599	6
lini, cause of flax wilt, damage and control	1728	14
martii var. *pisi*, cause of pea root rot, control	1735	15–16
wilt of—		
cotton, spread, symptoms, cause, and control	1745	8–12
peas, description, cause, and control	1735	9–13
Gable, C. H.: The Sorghum Midge, with Suggestions for Control. With W. A. Baker and L. C. Woodruff	1566	1–10
Gaines, R. C.: Machinery for Dusting Cotton. With D. A. Isler	1729	1–14
Gallinules, game laws, 1931–32	1684	9–10
Galls—		
nematode, on wheat, description	1607	1–3, 5, 6
on pecans, cause	1654	41–42
Game—		
and Bird Conservation Division, field service, officials, 1931–32	1684	52
bag limits, Federal regulations—		
1926–27	1505	8–9
1930–31	1647	7
1931–32	1684	7,10–11,12
birds. *See* Birds, game.		
breeders, permits for—		
aquatic birds	1612	2
upland birds, exemption	1613	1
conservation, Federal measures and refuges	1647	1–2
Federal protection, discussion	1550 1616	1–3 1–2
imported, laws—		
1927–28	1550	43–46
1928–29	1575	43–46
1931–32	1684	49–52
laws—		
1926–27. Talbott Denmead and Frank L. Earnshaw	1505	1–46
1927–28. Frank L. Earnshaw	1550	1–46
1928–29. Frank L. Earnshaw	1575	1–46
1929–30. Frank L. Earnshaw and Frank G. Grimes	1616	1–46
1930–31. Frank L. Earnshaw and Frank G. Grimes	1647	1–46
1931–32. H. P. Sheldon and Frank G. Grimes	1684	1–52
1933–34. H. P. Sheldon and Frank G. Grimes	1717	1–41
1934–35. H. P. Sheldon and Frank G. Grimes	1742	1–38

[1] Revised.

	Farmers' Bulletin No.	Page
Game—Continued.		
management on farm, possible returns	1719	58–61
raised in captivity, laws—		
1927–28	1550	43–46
1928–29	1575	43–46
1931–32	1684	49–52
survey, farm, instructions for making	1719	55–58
Gapes, pheasants, treatment	1521	33–34
Gapeworms, symptoms, life history, and control	1652	45–46
Garbage removal, ordinance regulating	1638	24–25
Garden(s)—		
crops, culture	[1] 1673	27–67
farm—		
J. H. Beattie and W. R. Beattie	1673	1–68
	[1] 1673	1–68
crop succession, and late summer and fall plantings	[1] 1673	23–24
cultivation and irrigation	[1] 1673	24–25
fertilizers, lime, and soil preparation	[1] 1673	3–6
plan and arrangement	[1] 1673	6–8
planting methods and depths	[1] 1673	18–23
planting time	[1] 1673	14–18, 20–21
protection	[1] 1673	2–3
seed supply and starting early plants	[1] 1673	8–12
soil and location	[1] 1673	1–2
subsistence. W. R. Beattie, J. W. Roberts, L. L. Harter, W. H. White, and D. L. Van Dine	1746	1–54
	[1] 1746	1–54
transplanting	[1] 1673	12–13
use of southern-grown plants	[1] 1673	12
value	[1] 1673	1
fruit—		
home—		
culture	1522	8–34
on northern Great Plains. W. P. Baird	1522	1–49
	[1] 1522	1–54
planting plan for northern Great Plains	[1] 1522	52–54
site selection and protection from wind in northern Great Plains	[1] 1522	4–8
value	[1] 1522	1–2
protection from winter weather on northern Great Plains	[1] 1522	32–34
home, infestation by corn borer, control	[1] 1548	33–34
insects and diseases, control	[1] 1673	26
shelterbelt for, planting	1603	3–4
subsistence, preparation and care	1746	2–7
	[1] 1746	2–7
vegetable, plan and arrangement	1673	6–8
Garlic, culture in farm gardens	1673	60
	[1] 1673	60–61
Garver, Samuel: Forage Crops and Their Culture in Northern Nebraska and the Dakotas	1511	1–46
Gas masks, use in fumigation work	1670	19–20
Gasoline—		
flammability and hazards	1678	2–6
	[1] 1678	2–7
safe use and storage on farm	1678	1–14
	[1] 1678	1–14
storage and care	1678	7–10
	[1] 1678	8–10
Geese—		
lameness, cause, symptoms, and treatment	1652	24
	[1] 1652	30–3
wild, feeding	1521	54
wild, propagation on game farms	1521	53–55
George, Ernest J.: Planting and Care of Shelterbelts on the Northern Great Plains. With Robert Wilson	[1] 1603	1–25

[1] Revised.

	Farmers' Bulletin No.	Page
Georgia—		
fur laws—		
1926–27	1515	10
1927–28	1552	9
1928–29	1576	9
1929–30	1618	11
1930–31	1648	10–11
1931–32	1685	10
game laws—		
1926–27	1505	7, 8, 15, 42, 43
1927–28	1550	16–17, 44
1928–29	1575	16
1929–30	1616	14, 43
1930–31	1647	15, 43
1931–32	1684	19, 49–50
1933–34	1717	14
1934–35	1742	12
tobacco budworm and its control. A. C. Morgan and F. S. Chamberlin	[1] 1531	1–10
Gerdes, F. L.: Ginning Cotton. With Charles A. Bennett	1748	1–46
Gibberella saubinetii, relations, stages, and life history	1599	6 10
GILBERT, W. W.: Cotton Diseases and Methods of Control. With David C. Neal	1745	1–34
GILL, L. S.: Chestnut Blight. With G. F. Gravatt	1641	1–18
Ginning cotton. *See* Cotton, ginning.		
Gizzard worms, of poultry, life history and control	1652	49–50
GLAVES, A. H.: Plowing with Moldboard Plows. With Wallace Ashby	1690	1–22
Goats—		
age, determination by teeth	1721	10–11
anthrax, symptoms	1736	5
milk, keeping for family milk supply	1733	14
GOCHENOUR, W. S.: Anthrax	1736	1–14
Goldenrod, rayless—		
cause of trembles	1593	7–8, 9
description, distribution, and poisonous varieties	1593	8
toxic constituent	1592	9
Golf courses, utilization as bird refuges	1644 [1] 1644	13–14 13–14
Gooseberries, pruning, recommendations	1522 [1] 1522	23 25–26
Gopher(s) pocket—		
control. W. E. Crouch	1709	1 21
habits	1709	4–9
names, description, and adaptability	1709	1–3
poisoning	1603	11–12
Gout, poultry, cause, symptoms, and treatment	1652 [1] 1652	21 5
Grades. *See* under specific products.		
Grading. *See* under specific products.		
Grafting—		
nut tree, methods	1501	5–39, 43–46
trees and shrubs, methods, discussion	1567	25–26, 29–38
Grain(s)—		
cleaning machines, types, description	1542	13–26
cleaning on farms and in country elevators. R. H. Black and E. G. Boerner	1542	1–27
combine-harvested, quality and condition	1565	16–17
farming, adjustments for corn-borer conditions, suggestions	1681	4–21
feed value for dairy cows	1626	9
feeding to calves, recommendations	1723	14–15

[1] Revised.

	Farmers' Bulletin No.	Page
Grain(s)—Continued.		
handling for storage, methods and machinery	1636	27–32
harvesting with combines, advantages	1565	2–4
injury by Hessian fly, description	1627	3–5
losses from dockage	1542	1–8
losses in combine-harvesting	1565	14–16
ration(s) for dairy cows—		
not on pasture, recommendations	[1] 1626	30
on excellent, good, or poor pasture, recommendations	[1] 1626	28
preparation	[1] 1626	23–26
screenings, utilization	1542	10–11, 13
seed bed, irrigation	[1] 1556	2–3
small—		
in storage, factors affecting	1636	2–6
irrigation. W. W. McLaughlin	1556	1–14
	[1] 1556	1–14
storage in bulk on the farm. M. A. R. Kelley and E. G. Boerner	1636	1–46
water requirements under irrigation	1556	11–13
stem rust, spread and control	1544	1–28
susceptibility to nematode disease	1607	7
winter, adaptability to weather	1556	2
	[1] 1556	2
Granaries—		
location, construction, and use	1636	34–36
ratproofing, recommendations	1638	9
Grange, Wallace B.: Improving the Farm Environment for Wild Life. With W. L. McAtee	1719	1–62
Grape(s)—		
containers for shipping, description and standardization	1579	21–23
diseases and insect pests	1746	48
	[1] 1746	48–49
eastern—		
commercial varieties	[1] 1558	1–3
harvesting and packing	[1] 1558	3–10
loading for shipment to market	[1] 1558	16–17
market packages	[1] 1558	10–15
preparation for market. B. E. Shaffer	1558	1–18
	[1] 1558	1–18
standardization and inspection	1558	15–16
	[1] 1558	15–16
for juice factories, requirements	1558	18
growing, harvesting, and packing in Eastern States	1558	3–15
growing on northern Great Plains	[1] 1522	46
insects, control measures	1666	37, 84–89
marketing by parcel post, recommendations	1551	20–21
planting and cultural methods	1689	6–8
pruning, recommendations	1522	23–24
	[1] 1522	26
shipments, carload, by States of origin, 1926	1558	1
shipping containers, description	1579	21–23
soil requirements	1689	4
value as subsistence crop	1746	46–48
	[1] 1746	46–48
varieties—		
and districts in United States. George C. Husmann	1689	1–33
description and suitable districts	1689	15–32
for growing on northern Great Plains	1522	38
Grass(es)—		
food value for dairy cows	1626	8
for airports, recommendations	1677	9–11
growing in Nebraska and the Dakotas	1511	23–24, 29–32
lawn, types in use	1677	5–9

[1] Revised.

	Farmers' Bulletin No.	Page
Grass(es)—Continued.		
native—		
use for pasture in Alabama and Mississippi	1546	9–12
value to agriculture	1511	2
use as soil binders for gully control	1697	9–17
Grasshopper(s)—		
control—		
in alfalfa fields	1722	28–29
in cereal and forage crops. J. R. Parker, W. R. Walton, and R. L. Shotwell	1691	1–14
	[1] 1691	1–17
measures	1691	6–13
	[1] 1691	6–15
organizations, recommendations	[1] 1691	15–16
damage to soybeans, and control	[1] 1520	29–30
eggs, destruction, recommendations	[1] 1691	6–7
enemies, natural	[1] 1691	6
habits and control in orchards	1557	31–32
injurious kinds, description and habits	1691	1–4
	[1] 1691	1–4
injury to soybeans and control	1520	25–26
life histories and development	1691	4–6
	[1] 1691	4–6
outbreaks, conditions favoring	1691	4
	[1] 1691	4
pests on cotton, control	1688	23–24, 26
poison bait for, recommendations	[1] 1691	7–14
Gravatt, G. F.: Chestnut Blight. With L. S. Gill	1641	1–18
Gray, Greta: Convenient Kitchens	1513	1–30
Grazing—		
aid in clearing cut-over land	1526	3–5
efficacy in brush disposal	[1] 1526	3–5
See also Pasturing.		
Great Basin wireworm—		
control measures	1657	6–8
description, life history, and habits	1657	3–5
importance, distribution, and injury	1657	1–2
in the Pacific Northwest. M. C. Lane	1657	1–9
natural enemies	1657	5–6
Great Plains—		
adaptability of hard red winter wheats to	1585	1–2
area, oats, growing and harvesting	1611	2–18
northern—		
area, topography and climate	1522	2–4
flaxseed production by power-farming methods. A. C. Dillman and E. A. Starch	1650	1–17
haying equipment and practices. L. A. Reynoldson and C. D. Kinsman	1525	1–28
home fruit garden. W. P. Baird	1522	1–49
	[1] 1522	1–54
shelterbelt, planting and care. Robert Wilson	1603	1–13
shelterbelts, planting and care. Robert Wilson and Ernest J. George	[1] 1603	1–25
topography and climate	[1] 1522	2–4
Green, D. Monroe: Rabbit Skins for Fur	1519	1–14
	[1] 1519	1–14
Green manure(s)—		
benefits in asparagus culture	1646	3–4
decomposition and turning under	1750	6–7
requirements for growing corn	1714	5–6
summer crops for. Roland McKee	1750	1–17
summer, types	1750	7–9
use in growing—		
fall-sown oats	1640	4, 5
fruit on northern Great Plains	1522	15
sugar beets	1645	11

[1] Revised.

	Farmers' Bulletin No.	Page
Green manure(s)—Continued.		
value of—		
bur-clover	1663	18–19
clovers	1663	19–20
peas	1663	17–18
soybeans	1617	24–26
sweetclover	1653	14, 15–16, 19–21
vetches	1663	12–17
winter legumes for in Cotton Belt. Roland McKee and A. D. McNair	1663	1–21
yields	1663	7–8
See also Manure.		
Greenhouses, steam sterilization of soil	1629	5–6, 12–13
Greens, growing in farm garden	[1] 1673	31–36
GRIMES, FRANK G.—		
Fur Laws for the Season 1927–28. With Frank G. Ashbrook and Frank L. Earnshaw	1552	1–28
Fur Laws for the Season 1928–29. With Frank L. Earnshaw	1576	1–29
Fur Laws for the Season 1929–30. With Frank L. Earnshaw	1618	1–30
Fur Laws for the Season 1930–31	1648	1–30
Fur Laws for the Season 1931–32. With H. P. Sheldon	1685	1–30
Game Laws for the Season 1929–30. With Frank L. Earnshaw	1616	1–46
Game Laws for the Season 1930–31. With Frank L. Earnshaw	1647	1–46
Game Laws for the Season 1931–32. With H. P. Sheldon	1684	1–52
Game Laws for the Season 1933–34. With H. P. Sheldon	1717	1–41
Game Laws for the Season 1934–35. With H. P. Sheldon	1742	1–38
Grouse—		
game laws, 1931–32	1684	6
native, propagation	1521	45
	1613	58–59
Gullies—		
control to save farm. Wilbur R. Mattoon	1737	1–14
reclamation in the South by use of soil-binding plants. H. G. Meginnis	1697	1–18
Gypsum, use in growing peanuts	1656	5–7
Gypsy moth—		
and brown-tail moth. A. F. Burgess	1623	1–33
climatic effects and enemies	1623	15–16
control methods	1623	16–23, 29–32
introduction, spread, and clean-up records	1623	1–10
life history, means of spread, food, and injury	1623	10–15
parasites introduced	1623	15–16
Haemoproteus columbae, cause of pigeon malaria	1652	39–40
Hail, effect on sugar beets	1645	4
HAMBLETON, JAS. I.: The Treatment of American Foulbrood	1713	1–14
HANN, HELEN NEBEKER: Food for Children. With Rowena Schmidt Carpenter	1674	1–22
Hardwoods, propagation by cuttings	1567	18–19
Hares, fur, distinction from rabbit fur	1519	12
HARLAN, H. V.—		
Growing Barley for Malt and Feed	1732	1–14
Growing Barley for Malt and Feed. With G. A. Wiebe	[1] 1732	1–18
Harlequin bug—		
control methods	1712	6–9
distribution, food plants, and injury	1712	1–2
stages, overwintering, and life history	1712	2–5

[1] Revised.

	Farmers' Bulletin No.	Page
HARTER, L. L.—		
Bean Diseases and Their Control. With W. J. Zaumeyer	1692	1–28
Pea Diseases and Their Control. With W. J. Zaumeyer and B. L. Wade	1735	1–25
Subsistence Farm Gardens. With W. R. Beattie, J. W. Roberts, W. H. White, and D. L. Van Dine	1746	1–54
	[1] 1746	1–54
Harvester(s)—		
soybean, description and use	1605	9–10
thresher, combined, operation and care. W. M. Hurst	1608	1–14
Harvesting—		
beans, methods	1509	8–10
broomcorn, methods and labor requirements	1631	12–17
fall-sown oats, methods	1640	13–16
flax, methods	1650	11–15
grain, methods, effect on storage	1636	4
oats, in western United States	1611	14–17
sweet corn, dates	1634	17–18
sugar beets	1637	22–26
Hawaii—		
fur laws—		
1926–27	1515	10
1927–28	1552	9
1928–29	1576	9
1929–30	1618	11
1931–32	1685	10
game laws—		
1926–27	1505	15
1927–28	1550	17
1928–29	1575	16
1929–30	1616	15
1930–31	1647	15
1931–32	1684	19
1933–34	1717	14–15
1934–35	1742	12
Hawks—		
kinds, description, and habits	1719	48–50
trapping on bird farms	1521	8–9
value in rat control	[1] 1533	19
Hay—		
alfalfa—		
baling practice	1539	12-14, 18–21
	[1] 1539	21–24
crew organization and management in Colorado	[1] 1535	24
crew organization and management in Idaho	[1] 1535	22–23
crew organization and management in Montana	[1] 1535	23–24
curing methods to preserve leafiness and color	1539	7–10
	[1] 1539	10–12
cutting time, effects	[1] 1539	7–9
handling from windrow, methods	1539	10–14
	[1] 1539	13–18
high-grade—		
and low-grade, market prices	[1] 1539	3–4
characteristics	1539	2–3
	[1] 1539	4–5
demand, profits, and prices	1539	1–2
producing, baling, and loading for market, methods. Edward C. Parker	1539	1–26
producing, baling, and loading for market, methods. Edward C. Parker and W. H. Hosterman	[1] 1539	1–30
production requirements	[1] 1539	6, 7–12
profits	[1] 1539	2–3
infestation by clover-seed chalcid	1642	11–12
loading in cars and trucks	[1] 1539	26–29
loose, storage to resist weather damage	[1] 1539	18–21

[1] Revised.

	Farmers' Bulletin No.	Page
Hay—Continued.		
alfalfa—Continued.		
low-grade, causes	1539	3–5
	[1] 1539	5–6
making and feeding	1722	23–25
marketing, influence of baling practice	1539	18
marketing, loading, and invoicing cars	1539	22–25
stacking, recommendations	1539	15–18
storage methods, discussion	1539	14–18, 19–20
sweating before baling, advantages	[1] 1539	14
sweating methods	1539	25
	1539	21–22
transportation, loading cars	1539	22–25
unsweated, piling bales	1539	21–22
	[1] 1539	24–25
vitamin content	[1] 1539	7
weather damage	1539	7
yield and harvesting	1511	11–12
annual grass, in Nebraska and Dakotas	1511	23–24
baling, practices in northern Great Plains and Intermountain regions	[1] 1525	15–16
chopped and ground, feed value for dairy cows	[1] 1626	15
fall-sown oat, value	1640	19
feed value for dairy cows	1626	5–7
	[1] 1626	10–14
field-pea, feeding value and yield	1511	17, 18–19
harvesting—		
equipment for northern Great Plains and Intermountain regions	1525	1–28
time and labor required	1525	20–27
Johnson—		
and legume mixtures, value	1597	18
cutting, curing, and baling	1597	6–10
growing as cash crop in Alabama and Mississippi	1546	5–8
laws affecting production and shipping	1597	19–20
markets and marketing, in Black Prairie Belt	1574	4–7
markets, prices, and feeding value	1597	14–16
preparing for market in Black Prairie Belt of Alabama and Mississippi. M. A. Crosby	1574	1–20
prices in Black Prairie Belt	1574	6–7
standards and grades	1574	7
storage and stacking	1597	10–14
value in dry regions	1597	18
yields and quality	1597	13–14
legume—		
and nonlegume, comparison in yield of protein and other nutrients	1573	2–4
for milk production. J. R. Dawson	1573	1–6
low-grade, causes in Black Prairie Belt	1574	7–10
market reports, use	1700	13–23
marketing by modern methods. G. A. Collier	1700	1–26
mixed, crew organization and management in Colorado	[1] 1525	25
reed canary grass, yields and quality	1602	8
	[1] 1602	8
sheds, use	[1] 1525	14
shipment making, recommendations	1700	15–23
soybean—		
chemical analysis, comparison with other hays	[1] 1617	17
feeding to livestock	1511	19
	1617	16–19
	[1] 1617	17–19
sprayed, danger of poisoning livestock	1528	21–22
stacked, handling, low-cost method	[1] 1525	26–27

[1] Revised.

	Farmers' Bulletin No.	Page
Hay—Continued.		
stackers—		
and their use. L. A. Reynoldson	1615	1–22
classes, description and use	1525	5–14
stacking equipment	1525	5–14
storage, requirements for fire prevention	1643	13
Sudan-grass and soybean, seeding	[1] 1520	27–28
sweetclover—		
cutting for	1511	15
value and danger	1653	16–18
wild—		
crew organization and management in Colorado	1525	25
crew organization and management in Nebraska	1525	25–26
harvesting equipment and methods	1525	25–27
Haying—		
alfalfa, recommendations for high-grade product	1539 1722	4–22 23–25
cost, reduction by effective equipment	1525	1–28
crew organization and duty	[1] 1525	19–26
equipment—		
and practices effective for northern Great Plains and Intermountain regions. L. A. Reynoldson and C. D. Kinsman	1525 [1] 1525	1–28 1–28
miscellaneous, use in northern Great Plains and Intermountain regions	[1] 1525	16–19
selection for northern Great Plains and Intermountain regions	[1] 1525	2–5
low-cost, essentials	[1] 1525	1
planning for work	[1] 1525	2
practices in Black Prairie Belt	1574	11–19
reed canary grass, methods and process	1602	7–8
Hayracks, portable, construction	1584 [1] 1584	6–8 5
Hazel, use as grafting stock	1501	42
Heat—		
artificial, use in poultry houses	[1] 1554 1554	26 3–6
atmospheric, conservation for plant use, methods	[1] 1588	9–15
conservation in—		
farmhouse, methods	1698	14–17
orchards	1588	9–12
solar, radiation and conduction	1588	2–3
use in treating beetle-infested wood	[1] 1582	21–22
Heaters—		
for washing spray residue from fruit, description	1687	14–16
orchard—		
care	1588	32–34
fuels, kinds and efficacy	[1] 1588	21–23
operation costs	1588	40–44
storage and care	[1] 1588	36
types and use	1588 [1] 1588	21–31 23–33
size required for farm home	1698	2–3
Heating—		
equipment—		
fireproofing, directions	1590	17–19
for farmhouses	1749	6–7
farm home. Arthur H. Senner	1698	1–18
grain, in storage, damage	1636	4–5
systems, farm home, types	1698	4–11

[1] Revised.

	Farmers' Bulletin No.	Page
Heel fly (ies)—		
description and comparison of two species	1596	2
egg-laying habits	1596	3–5, 7, 8
eggs, description	1596	5
or cattle grubs, with control suggestions. F. C. Bishopp, E. W. Laake, and R. W. Wells	1596	1–22
repellents, use	1596	15
Heifers—		
dairy—		
age for breeding	[1] 1723	32
feed consumption and gains made	1723	23–24
	[1] 1723	31–32
feeding before and after calving, recommendations	[1] 1723	32–33
feeding, recommendations	1723	17–18
	[1] 1723	24–33
growth, effect of feeding methods	1723	19–23
	[1] 1723	27–30
handling methods	[1] 1723	33
pen requirements	[1] 1723	32
supernumerary teats, removal	[1] 1723	37–38
spaying, practices	[1] 1592	12–13
	1600	5–6
	[1] 1600	5–6
Heitz, Thomas W.: Dressing and Packing Turkeys for Market	1694	1–29
Hen(s)—		
banding, practical system	1727	15
characteristics of good layers	1524	3
feeding for egg production	1524	16–18
houses, lighting, artificial, discussion	1541	21–22
layers, distinguishing from nonlayers, guide	1727	4–7
laying—		
flock, culling	1524	19–20
feed consumption	1524	2
selection calendar and chart	1727	16–18
producers, persistent, determination	1727	7–12
profit from, factors affecting	1524	2
selection for egg production. J. P. Quinn	1727	1–18
sitting, feeding	1508	8–9
Herbs, marketing by parcel post, recommendations	[1] 1551	53–54
Hessian fly—		
and avoidance of losses from it. W. R. Walton and C. M. Packard	1627	1–14
control measures	1627	7–14
economic importance	1627	1
infestation, range	1627	2
life history and description of stages	1627	5–7
natural enemies	1627	9–11
Heterakis gallinae, life history and treatment	1652	52–53
Heterodera—		
marioni, cause of root knot of peas, control	1735	17–19
radicicola, cause of root knot of soybean	1520	31
Hickory—		
aphid—		
giant, description and habits	1654	40–41
yellow, description	1654	39–40
cossid, description, habits, and control	1654	46–47
propagation methods	1501	21, 34, 41
shuck worm, description, habits and control	1654	9–13
water, use as grafting stock	1501	40
Hides—		
damage by cattle grubs	1596	12–13
description and finishing for shoe leather	1523	2–7
raw, curing and packing	1632	4
Hill, R. G.: Preparing Strawberries for Market	1560	1–22
	[1] 1560	1–22

[1] Revised.

	Farmers' Bulletin No.	Page
Histomonas meleagridis, cause of blackhead of poultry	1652	33–35
Hives, disinfecting after burning, recommendations	1713	10–11
Hocks, sore, in rabbits, cause, treatment, and prevention	1568	30
Hogs—		
age, determination by teeth	1721	11–13
anthrax, symptoms	1736	5–6
feeding—		
methods	1504	1–6
on soybean hay	1617	19
on soybean meal	1617	14
on soybeans	1617	7–8
on sugar-beet byproducts, recommendations	1718	18, 25
pasturing on soybeans, benefits	1617	20–21
production in Alabama and Mississippi	1546	22
raising, suggestions	1504	1
Holly(ies)—		
American and English, characteristics	1693	1–6
and hollylike plants, lists	1693	21
Christmas, growing on farm. Perkins Coville	1693	1–22
growing, suitable regions, soil conditions, and sites	1693	6, 8–12
planting, harvesting, and marketing	1693	12–21
stock, obtaining for planting	1693	8–12
Holman, H. P.: Leather Shoes: Selection and Care. With F. P. Veitch and R. W. Frey	1523	1–22
Home(s)—		
bureau community house, erection, cost, and uses	1622	12–14
demonstration club house, erection, cost, and uses	1622	14–16
farm—		
heating. Arthur H. Senner	1698	1–18
modern, elements, recommendations	1749	2–13
fruit garden on northern Great Plains. W. P. Baird	1522	1–49
window curtaining	1516	1–38
Homestead, subsistence—		
cash expenses and returns	1733	10
lay-out for small acreage	1733	3–5
planning. Walter W. Wilcox	1733	1–20
Honey—		
from diseased colonies, handling and disposing of, recommendations	1713	13
marketing by parcel post, recommendations	[1] 1551	53
production, importance of sweetclover	1653	13
Hoover, Herbert, President, proclamation on waterfowl conservation	1684	1–2
Hoppers—		
dry-mash, for poultry, requirements and plans	[1] 1554	29–31
feed, for poultry, construction	1554	23–24
Horns—		
growth prevention, methods	1600	2
prevention on dairy cattle, methods	1723 [1] 1723	26–27 35–36
Horse(s)—		
age, determination by teeth	1721	1–7
anthrax, symptoms	1736	5
bots and their control. F. C. Bishopp and W. E. Dove	1503	1–14
feeding on—		
shredded stover	1589	6–7
soybean hay	1617 [1] 1617	18 18
sugar-beet byproducts, recommendations	1718	17, 21, 24–25
hoofs, growth, and trimming	1535	2–5
infectious abortion, causes and control	1704	15
injury by bots	1503	2–5
protective devices against botflies	1503	9

[1] Revised.

	Farmers' Bulletin No.	Page
Horseradish, culture in farm garden	1673	29–30
	[1] 1673	29–30
Horseshoeing, farm. Henry Asmus and J. O. Williams	1535	1–13
Horseshoes—		
fitting and nailing	1535	5–11
ready-to-wear, use	1535	10–12
rubber, use and value	1535	12
HOSTERMAN, W. H.: High-Grade Alfalfa Hay: Methods of Producing, Baling, and Loading for Market. With Edward C. Parker	[1] 1539	1–30
Hotbeds—		
and coldframes. W. R. Beattie	1743	1–29
care and use	1743	21–28
coverings for, description and value	1743	16–21
electric heating, value and installation	1743	12–16
fuel-heated, kinds, construction, and value	1743	8–12
location and watering	1743	3
manure, construction methods and temperature requirements	1743	3–8
use and construction, farm gardens	1673	9–12
	[1] 1673	9–11
HOTIS, RALPH P.: Care of Milk Utensils on the Farm. With R. J. Posson	1675	1–10
Houses—		
chicken, building and care	1508	15–21
on farms, construction of logs and poles, study	1660	1–21
ventilation, after fumigation with hydrocyanic acid gas	1670	17–19
See also Buildings, farm; Farmhouses; and under specific kind.		
HOWARD, L. O.: Mosquito Remedies and Preventives. With F. C. Bishopp	1570	1–13
HOWARD, NEALE F.—		
The Mexican Bean Beetle in the East and Its Control	1624	1–14
The Mexican Bean Beetle in the East and Its Control. With Loyd W. Brannon and Horatio C. Mason	[1] 1624	1–21
HUBBARD, J. W.: Farm Study of the Cotton Plant	1661	1–18
HUMPHRIES, W. R.—		
Husker-Shredders in Corn-Borer Control. With I. F. Reed	1662	1–17
Shall I Buy a Combine? With L. A. Reynoldson and J. H. Martin	1565	1–18
The Husker-Shredder on Eastern Corn Belt Farms. With George W. Collier and E. W. McComas	1589	1–21
HUNTER, BYRON—		
Bean Growing in Northern Idaho, Eastern Washington, and Eastern Oregon	1509	1–14
	[1] 1509	1–17
Dry-Farming Methods and Practices in Wheat Growing in the Columbia and Snake River Basins	1545	1–22
Hunting—		
laws. *See* Game laws; and under names of States.		
restrictions, need for	1717	1–2
regulation on game-management areas	1719	54–55
HURST, W. M.—		
Harvesting Grain Sorghums. With John H. Martin, L. A. Reynoldson, and B. E. Rothgeb	1577	1–17
The Operation and Care of the Combined Harvester-Thresher	1608	1–14
Husker-shredder(s)—		
cost, depreciation, and repair	1589	18
hiring or purchasing, considerations	1589	18–20
mechanical features, and power and fuel requirements	1589	8–10
on eastern Corn Belt farms. George W. Collier, W. R. Humphries, and E. W. McComas	1589	1–21
operation and care	1662	10–13

[1] Revised.

	Farmers' Bulletin No.	Page
Husker-shredders(s)—Continued.		
units, description	1662	2–10
use in corn-borer control. I. F. Reed and W. R. Humphries	1662	1–17
Husking corn in field, methods and costs. Kenneth H. Myers	1715	1–18
HUSMANN, GEORGE C.: Grape Districts and Varieties in the United States	1689	1–33
HUTSON, J. B.: Farm Budgeting	1564	1–22
	[1] 1564	1–22
HUTTON, LYNN D.: The Common Barberry and Black Stem Rust. With F. E. Kempton and E. C. Stakman	1544	1–29
Hybridization, corn, practices and results	1744	2–12
Hydrochloric acid, commercial, use in washing fruit	1687	9–12, 20
Hydrocyanic acid gas—		
as a fumigant for destroying household insects. E. A. Back and R. T. Cotton	1670	1–21
efficacy as a fumigant	1670	1–2
generating, methods	1670	6–17
treatment of person overcome by	1670	20
use, danger, and safeguards	1670	3–4
Hydrometer, use in testing sorgo juice	1619	23–24
Idaho—		
alfalfa hay, cutting, crew organization and management	[1] 1535	22–23
beets, infestation with nematode	1514	2
fur laws—		
1926–27	1515	10
1927–28	1552	9
1928–29	1576	9
1929–30	1618	11–12
1930–31	1648	11
1931–32	1685	10–11
game laws—		
1926–27	1505	16–17, 43
1927–28	1550	17–18, 44
1928–29	1575	16–17
1929–30	1616	15–16, 43
1930–31	1647	15–16, 43
1931–32	1684	19–20, 50
1933–34	1717	15–16
1934–35	1742	12–13
haying equipment and methods	1525	22–23
northern, bean growing. Byron Hunter	1509	1–14
	[1] 1509	1–17
potatoes, production centers	1639	14–15
Illinois—		
fur laws—		
1926–27	1515	10–11
1927–28	1552	10
1928–29	1576	9–10
1929–30	1618	12
1930–31	1648	11
1931–32	1685	11
game laws—		
1926–27	1505	7, 8, 9, 17, 43
1927–28	1550	18, 44
1928–29	1575	17–18
1929–30	1616	16, 43
1930–31	1647	16–17, 43
1931–32	1684	20–21, 50
1933–34	1717	16
1934–35	1742	13
Inarching, use in nut-tree propagation	1501	9–11
Income, family, classification and recording of items	1553	2, 5–16

[1] Revised.

	Farmers' Bulletin No.	Page
Incubation—		
chicks, natural and artificial	[1] 1508	7–10
	1524	8–9
	1538	1–14
pheasant eggs, directions	1613	34, 35, 36–37
Incubators—		
chicken, types, selection, and operation	1538	7–14
use in rearing pheasants	1521	24–25
Indiana—		
fur laws—		
1926–27	1515	11
1927–28	1552	10
1928–29	1576	10
1929–30	1618	12
1930–31	1648	11–12
1931–32	1685	11
game laws—		
1926–27	1505	7, 8, 17, 43
1927–28	1550	18, 44
1928–29	1575	18
1929–30	1616	16, 43
1930–31	1647	17, 43
1931–32	1684	21, 50
1933–34	1717	16
1934–35	1742	14
Indigestion—		
in poultry, causes and treatment	1652	27
in rabbits, symptoms and treatment	1568	29
Ingram, J. W.: Insects Injurious to the Rice Crop	1543	1–17
Inoculation—		
cattle, against tick fever, methods and results	1625	24–27
requirements for growing vetches	1740	12–13
soybeans, effect and methods	1520	13–15
Insect(s)—		
beneficial to peach growers	1557	42
breeding cages for	1601	16–18
classes injurious to log cabins and rustic work, and damages	[1] 1582	2–12
collection and preservation for use in study of agriculture. Margaret C. Mansuy	1601	1–19
control—		
by oil sprays	1676	13–18
by parasites	1666	44–45
in shelterbelt	1603	10–11
damage to—		
trees	1726	10–11
winter legumes	1663	12
enemies of—		
cotton plant. J. W. Folsom	1688	1–29
cucumbers, control	1563	13–15
feeding habits	1666	2–4
food of European starling	1571	10–12
household, destruction with hydrocyanic acid gas as a fumigant. E. A. Back and R. T. Cotton	1670	1–21
injurious to—		
black locust, description, habits, and damage	[1] 1628	20–22
corn, habits and control	1714	24–26
log cabins, rustic work, and unseasoned wood, protection from. R. A. St. George	1582	1–20
	1582	1–22
rice crop. J. W. Ingram	1543	1–17
shortleaf pine	1534	39
killing, directions	1601	6–7
larvae, preserving	1601	14–15

[1] Revised.

Insects(s)—Continued.	Farmers' Bulletin No.	Page
mounting and boxing	1601	11–13, 16
net, construction and use	1601	4–5
parasites of corn borer, native and introduced	1548	19–21
	[1] 1548	16–18
pests—		
and diseases, control on subsistence farms	1746	8–11
	[1] 1746	8–11
control in shelterbelts of Northwest	[1] 1603	21–22
of broomcorn, control	1631	36
of fruits, control on northern Great Plains, recommendations	[1] 1522	28–30
of orchard, control with insecticides, equipment and methods. A. L. Quaintance and E. H. Siegler	1666	1–93
of sweet corn, control	1634	21
pinning directions	1601	7–11
shipping directions	1601	18–19
specimens, fumigation	1601	13–14
wood-boring—		
attack, conditions favorable and unfavorable for	[1] 1582	14–15
preventive and control measures	[1] 1582	15–22
seasonal activity	[1] 1582	12–13
Insecticides—		
contact, use in control of harlequin bug	1712	9
equipment, and methods for controlling orchard insect pests. A. L. Quaintance and E. H. Siegler	1666	1–93
for home fruit garden on northern Great Plains	[1] 1522	28–30
use against—		
cattle grubs	1596	19–21
grasshoppers	[1] 1691	7–9
Mexican bean beetle	[1] 1624	10–18
peach insects	1557	39–41
Inspection—		
bunched vegetables, practices and progress	1594	20–21
strawberries, importance	1560	17–20
Intercrops, orchard, irrigation	1518	22–23
Intermountain—		
area, oats, growing and harvesting	1611	3–20
regions, effective haying equipment and practices. L. A. Reynoldson and C. D. Kinsman	1525	1–28
Inventory, poultry, description	1614	3
Iowa—		
fires from lightning, 1919–24	1512	2–3
fur laws—		
1926–27	1515	11
1927–28	1552	10
1928–29	1576	10
1929–30	1618	5, 12–13
1930–31	1648	12
1931–32	1685	11–12
game laws—		
1926–27	1505	7, 17–18, 43
1927–28	1550	19, 44
1928–29	1575	18
1929–30	1616	17, 43
1930–31	1647	17, 43
1931–32	1684	21–22, 50
1933–34	1717	16
1934–35	1742	14
lightning fires, 1919–24, record	[1] 1512	2–3
Ips bark beetle, description, habits, and damage	1586	8, 11
Iron, definition of term	1523	2

[1] Revised.

	Farmers' Bulletin No.	Page
Irrigation—		
channels, measuring water in. R. L. Parshall	1683	1–18
cost, in orcharding	1518	4–5
farm systems, description	[1] 1630	4–6
field laterals and distributing ditches, use and construction	[1] 1556	3–4
in Eastern States, methods in use	1635	1–2
kinds, description	1529	1–2, 22–25
layouts for orchards	1518	6–10
of alfalfa, methods, description	1630	4–25
of flax, experiments	1747	15–16
of fruit, on northern Great Plains	1522	16–17
of fruit trees, time and frequency	1518	24–27
of grain, distribution methods	1556	4–8
of Johnson-grass meadows, practices and costs	1597	6
of lettuce crop, methods	1609	19–21
of orchard. Samuel Fortier	1518	1–28
of small grains—		
W. W. McLaughlin	1556	1–14
	[1] 1556	1–14
danger of failure	[1] 1556	12–13
relation to rate of seeding	[1] 1556	12
time for, determination	[1] 1556	8–10
practices in—		
growing alfalfa. Samuel Fortier	1630	1–26
growing alfalfa. Samuel Fortier, Harry E. Blaney, Leslie Bowen, Paul A. Ewing, M. R. Lewis, James C. Marr, R. L. Parshall, and A. A. Young	[1] 1630	1–27
growing sugar beets	1645	6–8
preparation of land for	[1] 1556	1–2
spray—		
cost, operation, and profits	1529	20–26
in Eastern States. George A. Mitchell and Frederic E. Staebner	1529	1–27
method and costs	1635	2
system, plans and installation	1529	5–20
system, types	1529	2–4, 22–25
surface—		
costs in Eastern States	1635	33–37
in Eastern States. F. E. Staebner	1635	1–38
Utah-Idaho area, for sugar-beet growing. S. B. Nuckols	1645	1–34
water—		
application to crops, methods	1635	27–33
application to grain, methods	[1] 1556	3
conduction to land, systems	1635	19–27
quantity required for small grain	1556	11–13
	[1] 1556	11–12
supply in the Eastern States	1635	3–7
utilization	1635	6–7
winter, of orchards	1518	27
Isler, D. A.: Machinery for Dusting Cotton. With R. C. Gaines	1729	1–14
Jennings, R. D.: Systems of Livestock Farming in the Black Prairie Belt of Alabama and Mississippi. With M. A. Crosby	1546	1–34
Jerusalem-artichoke, culture in farm garden	1673	43–44
	[1] 1673	44
Jimsonweed, powdered, use against mosquitoes	1570	4
Johnson, E. R.: Business Records for Poultry Keepers. With A. R. Lee	1614	1–20
Johnson, James: Steam Sterilization of Soil for Tobacco and Other Crops	1629	1–14
Johnson grass—		
and sorghum hybrids, value	1597	23–24
as a weed. M. W. Talbot	1537	1–10
control methods	1537	4–9

[1] Revised.

	Farmers' Bulletin No.	Page
Johnson grass—Continued.		
description, origin, and distribution	1597	1–3
growing for hay in Alabama and Mississippi	1546	5–8
growing for hay, practices	1597	3–6, 17–18
poisoning from	1597	22
production for hay and pasturage. H. N. Vinall and M. A. Crosby	1597	1–26
rootstocks, feed value	1597	21
rootstalk habits and development	1537	1–4
use as hay crop in North	1597	22–23
yields and quality of hay	1597	13–14
JONES, LEWIS A.: Farm Drainage	1606	1–25
JULL, M. A.—		
Farm Poultry Raising	1524	1–28
Feeding Chickens. With A. R. Lee	1541	1–24
Incubation and Brooding of Chickens. With A. R. Lee	1538	1–28
Poultry Houses and Fixtures. With A. R. Lee	1554	1–30
	[1] 1554	1–34
Poultry Keeping in Back Yards. With A. R. Lee	1508	1–29
	[1] 1508	1–30
Standard Breeds and Varieties of Chickens. I. American, Asiatic, English, and Mediterranean Classes	1506	1–37
	[1] 1506	1–38
Standard Breeds and Varieties of Chickens. II. Continental European, Oriental, Game, Ornamental, and Miscellaneous Classes	1507	1–30
	[1] 1507	1–30
June beetle, green, damage to peaches and control	1557	37–38
Kale—		
growing in farm garden	1673	33–34
	[1] 1673	33–34
marketing by parcel post, recommendations	[1] 1551	28–29
thousand-headed, value as forage crop	1511	42
value as subsistence crop	1746	24
	[1] 1746	24–25
KALMBACH, E. R.: The European Starling in the Unite States	1571	1–27
Kansas—		
fur laws—		
1926–27	1515	11
1927–28	1552	10
1928–29	1576	10
1929–30	1618	13
1930–31	1648	12
1931–32	1685	12
game laws—		
1926–27	1505	7, 8, 9, 18, 43
1927–28	1550	19, 44
1928–29	1575	18–19
1929–30	1616	17, 43
1930–31	1647	17–18, 43
1931–32	1684	22, 50
1933–34	1717	16–17
1934–35	1742	14
KELLEY, M. A. R.—		
Corncribs for the Corn Belt	1701	1–26
Farm Bulk Storage for Small Grains. With E. G. Boerner	1636	1–46
KELLOGG, CHAS. E.—		
Rabbit Production. With Frank G. Ashbrook	1730	1–38
Rabbit Production. With Geo. S. Templeton and Frank G. Ashbrook	[1] 1730	1–49
KEMPTON, F. E.: The Common Barberry and Black Stem Rust. With E. C. Stakman and Lynn D. Hutton	1544	1–29

[1] Revised.

	Farmers' Bulletin No.	Page
Kentucky—		
fur laws—		
1926–27	1515	5, 12
1927–28	1552	10
1928–29	1576	4, 11
1929–30	1618	13
1930–31	1648	3, 4, 5, 12
1931–32	1685	12
game laws—		
1926–27	1505	3, 7, 18, 43
1927–28	1550	19, 44
1928–29	1575	19
1929–30	1616	17, 43
1930–31	1647	18, 43
1931–32	1684	23, 50
1933–34	1717	17
1934–35	1742	14–15
KEPHART, L. W.: Sweetclover in Corn Belt Farming. With		
M. A. Crosby	1653 [1] 1653	1–26 1–25
Kerosene—		
effectiveness in removing horse bots	1503	11–12
emulsion, efficacy in removing spray residue from fruits	1687	16–17
flammability and hazards	1678 [1] 1678	2–6 2–4
safe use and storage on farm	1678 [1] 1678	1–14 1–14
storage and care	1678 [1] 1678	10 10–11
use against mosquitoes	1570	2,4,5,7, 8,9,10,12
use in barberry eradication	1544	25–26
KINMAN, C. F.: Pear Growing in the Pacific Coast States.		
With J. R. Magness	1739 [1] 1739	1–41 1–38
KINSMAN, C. D.: Effective Haying Equipment and Practices for Northern Great Plains and Inter-Mountain Regions.		
With L. A. Reynoldson	1525 [1] 1525	1–28 1–28
Kitchen(s)—		
convenient. Greta Gray	1513	1–30
curtains for	1516	25–26
equipment, selection and arrangement	1513	12–16
floor space, economy	1513	3–5
lighting and ventilation	1513	8–10
relation to house as whole	1513	5–8
remodeling	1513	27–29
Kohlrabi, culture in farm gardens	1673 [1] 1673	59 59
LAAKE, E. W.: Cattle Grubs or Heel Flies, With Suggestions for Their Control. With R. W. Wells and F. C. Bishopp	1596	1–22
Labor—		
poultry keeping, records	1614	10–12
requirements—		
for filling silos	1725	7–11
for husking corn	1715	5, 7–8, 9–11, 12–13, 15–18
of hay stackers	1615	5, 7, 9, 11, 13, 19
on dairy farms	1610	13
strawberry harvest, problems	1560	1

[1] Revised.

	Farmers' Bulletin No.	Page
Lacquers, quick-drying, flammability and hazards	[1] 1678	5
Lacy Act, protection to fur-bearing animals	1515	3–4
	1576	2–3
	1648	6
	1685	5
Ladybird beetles, parasitism on aphids	1654	41
Lakes, improvement for harboring wildlife	1719	28–29
Lamb(s)—		
care of on the range	1710	14–18
feeding on sugar-beet byproducts in rations	1718	27–28
karakul, meat-quality studies	[1] 1632	5–6
Persian, definition	1632	2
Lambskins—		
classes, description	[1] 1632	2–4
curing methods	1632	2–4
grading, factors affecting	[1] 1632	7–9, 12
Land(s)—		
clearing—		
method, selection	[1] 1526	33–34
need for	[1] 1526	2–3
of brush and stumps. George R. Boyd	1526	1–35
	[1] 1526	1–34
cut-over—		
farming, difficulty and cost	1526	2–3
stump and brush removal, cost and methods	1526	1–35
grain, irrigated, value	[1] 1556	13
irrigable, preparation for alfalfa growing	1630	2–4
new, preparation for seeding and irrigation	[1] 1630	3–4
preparation for—		
growing sweet corn	[1] 1634	6
irrigation	[1] 1556	1–2
Lane, M. C.: The Great Basin Wireworm in the Pacific Northwest	1657	1–9
Larvicides, mosquitoes, preparation and use	1570	9–11
Laryngotracheitis, infectious, of poultry, cause, symptoms, and treatment	[1] 1652	20–22
Laundry—		
location, relation to kitchen	1513	7
rural cooperative, establishment, building, and business	1622	18–20
work, kitchen arrangement for	1513	26
Lawns—		
injury to trees, and prevention	1726	9–10
pests and diseases	1677	17–18
planting and care. H. L. Westover and C. R. Enlow	1677	1–18
Laws—		
fur. *See* Fur laws.		
game. *See* Game laws.		
trapping, changes, 1931–32	1685	4
Layering, nut-tree	1501	2–5
Lead arsenate—		
damage to bean foliage	[1] 1624	15
use in control of tobacco budworm	1531	5–8
	[1] 1531	5–9
Leaf spot—		
angular, of cucumbers, symptoms and control	[1] 1563	18
brown, on pecans, symptoms, damage, and control	1672	8–9
frogeye, of soybeans, cause and symptoms	[1] 1520	35
gnomonia, on pecans, description and control	1672	13
of roses, cause, symptoms, and control	1547	9
	[1] 1547	9–11
of sugar beet, cause and symptoms	1637	26–27
of sugar beet, distinction from nematode injury	1514	6

[1] Revised.

	Farmers' Bulletin No.	Page
Leafhoppers—		
damage to soybeans, and control	1520	27
	[1] 1520	30
description and control remedies	1746	15
Leather(s)—		
Cordovan, description and wear	1523	7
finishing for shoes	1523	2–7
patent, making and use	1523	7
shoe, kinds, sources, and uses	1523	1–7
tanning and wear	1523	2
Lee, A. R.—		
Business Records for Poultry Keepers. With E. R. Johnson	1614	1–20
Feeding Chickens. With M. A. Jull	1541	1–24
Incubation and Brooding of Chickens. With M. A. Jull	1538	1–28
Poultry Houses and Fixtures. With M. A. Jull	1554	1–34
	[1] 1554	1–34
Poultry Keeping in Back Yards. With M. A. Jull	1508	1–29
	[1] 1508	1–30
Leek, culture in farm gardens	1673	60–61
	[1] 1673	61
Leg weakness, poultry, causes and treatment	1652	23
	[1] 1652	6
Legislation—		
for rural fire protection, discussion	1643	21–22
See also Laws.		
Legumes—		
culture in farm garden	[1] 1673	52–54
growing for forage in South Dakota	1511	6–23
seeding and turning under for green manure	1663	4–6
seeds, food value for dairy cows	1626	9
winter, use for green manure in Cotton Belt. Roland McKee and A. D. McNair	1663	1–21
Lespedeza—		
cultural practices and uses	1724	5–16
farm practice. H. A. Miller	1724	1–18
range, varieties, and seeding practices	1724	1–5
seed harvesting and weed control	1724	16–17
varieties, value as green-manure crops	1750	13–14
Lettuce—		
acreage, production, and price by States, 1925–28	1609	2
crop, insect enemies and diseases	[1] 1609	21–23
cultivation and irrigation	[1] 1609	18–20
culture and leading varieties	1673	39–40
	[1] 1673	39–40
diseases, description and control	1746	19
	[1] 1746	19
field production, factors governing	[1] 1609	2
growing—		
W. R. Beattie	1609	1–30
	[1] 1609	1–30
historical background	[1] 1609	1–2
in hotbeds and coldframes	1743	26
rotations	1609	2–3
insect(s)—		
and diseases, control	1609	21–23
control	1746	19
	[1] 1746	19
loose-leaf, marketing	[1] 1609	28
manures, fertilizers, and lime requirements	[1] 1609	3–4
marketing by parcel post, recommendations	[1] 1551	29
preparation for market	1609	23–27
	[1] 1609	23–27
production—		
economic aspects	[1] 1609	28–29
factors governing	1609	3

[1] Revised.

	Farmers' Bulletin No.	Page
Lettuce—Continued.		
seed supply and planting	[1] 1609	12–18
shipments, carlot, by States of origin, 1920–28	1609	1
shipping containers, description	1579	23–25
	[1] 1579	23–24
soil preparation	[1] 1609	4–5
value as subsistence crop	1746	18–19
	[1] 1746	18–19
varieties, commercial importance	1609	7–12
	[1] 1609	6–11
LEUKEL, R. W.—		
The Nematode Disease of Wheat and Rye	1607	1–12
Wheat Smuts and Their Control. With J. A. Faris, V. F. Tapke, and H. A. Rodenhiser	1711	1–16
	[1] 1711	1–18
Leukemia of poultry, symptoms and control	1652	18
LEWIS, M. R.—		
Irrigation Practices in Growing Alfalfa. With Samuel Fortier, Harry F. Blaney, Leslie Bowen, Paul A. Ewing, James C. Marr, R. L. Parshall, and A. A. Young	1630	1–26
	[1] 1630	1–27
Reservoirs for Farm Use	1703	1–17
LEWIS, WILLIAM E.: Preparation of Bunched Beets, Carrots, and Turnips for Market	1594	1–22
	[1] 1594	1–20
Library(ies)—		
publicity methods	1559	48–50
rural. Wayne C. Nason	1559	1–50
service, rural, types	1559	4–44
Lice—		
on calves, prevention and remedies	1723	31
	[1] 1723	41
on chickens, control	1508	27–28
on poultry, description and control	1524	26
	1652	54–56
	[1] 1652	59–61
on rabbits, symptoms and treatment	1568	9–10
powders, application to poultry	1652	55–56
treatment for pheasants	1521	34–35
Licenses, hunting, legislation, 1931–32	1684	7–8
	[1] 1685	4–5
Light(s)—		
artificial, use in hen houses	[1] 1508	26
	1541	21–22
electric, types used in hen houses	1554	22
	[1] 1554	25–26
Lighting—		
kitchens, methods	1513	8–10
systems, gasoline, hazards	[1] 1678	5–6
Lightning—		
conductors—		
for protection of property, installation	1512	3–30, 10–16, 24–30
	[1] 1512	
inadequacy of protection	[1] 1512	1–3
types, fasteners, and air terminals	[1] 1512	5–9
losses in United States, 1921	1512	3
protection—		
equipment and materials	1512	3–9
equipment, installation methods and specifications	[1] 1512	9–17, 24–30
installation on farm property	[1] 1590	19
methods and materials used	[1] 1512	3–23
of buildings and farm property. Roy N. Covert	1512	1–33
	1512	1–33
of telephone and radio circuits	[1] 1512	20–21, 30–32

[1] Revised.

	Farmers' Bulletin No.	Page
Lightning—Continued.		
protection—Continued.		
value in fire elimination	1643	7
	[1] 1643	7–8
rods—		
grounding	1512	13–20
inadequacy of protection	[1] 1512	1–3
installation	1512	3–30
LILL, J. G.: Sugar-Beet Culture in the Humid Area of the United States	1637	1–32
	[1] 1637	1–50
Limberneck, poultry, symptoms and treatment	1652	27
Lime—		
application to soil in sugar-beet culture	[1] 1637	18–19
application to sweetclover in Corn Belt	1653	2–3
cake, value and utilization	1718	25–26
hydrated, use in insect control	1666	28–29
sulphur—		
combination with oil emulsions, disadvantages	1676	12
use for spraying peaches	1527	8, 9–14
use in—		
farm gardens	[1] 1673	5–6
growing lespedeza, practices	1724	12
growing peanuts	1656	5–7
growing sweet corn	1634	6
lettuce growing	1609	5–6
waste, from sugar-beet factories, value and composition	1645	33
Liming—		
alfalfa, recommendations	1722	9–10
effect upon soybeans	1520	13
requirements of sweetclover	[1] 1653	2–3
Linen, yarns and fabrics, manufacture	1728	26
Linseed oil, yield and quality	1747	1–2
Liponyssus silviarum, infestation of poultry, control	1652	58
Livestock—		
anthrax, study	1736	1–14
farming—		
in Black Prairie Belt of Alabama and Mississippi. M. A. Crosby and R. D. Jennings	1546	1–34
organization plans	1546	25–34
feed—		
for, production on small acreages	1733	16–17
reserves in dry regions	1597	18
feeding—		
experiments with Johnson hay	1597	15–16
on, shredded stover, value and rations	1589	5–7
on sorgo seed and leaves	1619	35
on soybean hay	1617	16–21
	[1] 1617	17–19
on soybean meal	1617	13–15
	[1] 1617	13–15
on soybean straw	1617	26
on soybeans, advantages	1617	6–9
	[1] 1617	6–9
with root crops, recommendations	1699	7–10
with sugar-beet byproducts, recommendations	1718	5–29
lightning protection	[1] 1512	22–23
marketing, cooperative	1502	1–28
marking for shipment	1502	7–10, 16
poisoning—		
by white snakeroot	1593	3–5, 9, 10
danger from alfalfa spray	1528	21–22
from rayless goldenrod	1593	7–8, 9, 10
production on subsistence homestead	1733	12–17
protection from lightning	1512	22–23
root crops for. H. L. Westover, H. A. Schoth, and A. T. Semple	1699	1–13
shipping associations, cooperative	1502	1–28

[1] Revised.

	Farmers' Bulletin No.	Page
Locust—		
black—		
care and cultivation	1628	8
	[1] 1628	22–25
cutting	1628	10–11
damage by borer	1628	8–9
distribution and uses	[1] 1628	2–4
growth rate and soil requirements	1628	3–5
	[1] 1628	4–10
planting directions	1628	5–7
production and profit	1628	11–13
range and uses	1628	1–3
seedlings, planting	[1] 1628	11–20
timber production and profits	[1] 1628	25–28
trees, growing. Wilbur R. Mattoon	[1] 1628	1–30
borer, description, injury, and habits	1628	9
	[1] 1628	20
damage by insects and control	[1] 1628	20–22
leaf miner, damage	1628	10
	[1] 1628	22
shipmast, value and characteristics	[1] 1628	20
trees—		
black, growing. Wilbur R. Mattoon	1628	1–14
destruction, difficulty	1526	11
twig borer, damage and control	[1] 1628	20–21
Log(s)—		
and poles, use in farm construction. T. A. H. Miller	1660	1–26
cabin(s)—		
plan and recommendations	1738	34–35
rustic work, and unseasoned wood, protection from injurious insects. R. A. St. George	1582	1–20
houses, construction, recommendations	1660	11–21
pine, scaling directions	1671	6–9
scaling—		
instructions	1534	7–8
rules	1517	8–9
treatment for protection from insects	1582	16–19
use in farm construction	1660	1, 4, 5–10, 11–26
London purple, use in killing red harvester ants	1668	16–19, 21
Long Island, game laws, 1931–32	1684	32
Lophophyton galinae, cause of white comb in fowls	1652	28
Louisiana—		
fur laws—		
1926–27	1515	4–5, 12
1917–28	1552	11
1928–29	1576	11
1929–30	1618	13
1930–31	1648	3, 12–13
1931–32	1685	12
game laws—		
1926–27	1505	3, 4, 7, 9, 18–19, 43
1927–28	1550	20, 44
1928–29	1575	19
1929–30	1616	17–18, 43
1930–31	1647	18, 43
1931–32	1684	22–23, 50
1933–34	1717	17
1934–35	1742	4, 15
Lubricating-oil sprays for use on dormant fruit trees. A. L. Quaintance, E. J. Newcomer, and B. A. Porter	1676	1–18
Lumber—		
estimate, in pine trees	1517	7–8
pine, production per acre	1671	10–14
yield from shortleaf pine	1534	13–15
Lutz, J. M.: Removing Spray Residue From Apples and Pears. With H. C. Diehl and A. L. Ryall	1687	1–32

[1] Revised.

	Farmers' Bulletin No.	Page
Machinery—		
bean harvesting	1509	8–10
for dusting cotton. R. C. Gaines amd D. A. Isler	1729	1–14
grain-elevating, types and use	1636	28–32
haying, for northern Great Plains and Intermountain regions	1525	1–28
sugar-beet harvesting, recommendations	1637	13, 14
use in stump removal	1526	29–30
water-power, description and costs	1658	13–21
Machines, sizing, for apples, description and use	1695	9–13
Magnesium—		
arsenate, use in control of Mexican bean beetle	1624 [1] 1624	8–12 11
deficiency in cotton, occurrence, symptoms, and prevention	1745	27
MAGNESS, J. R.: Pear Growing in the Pacific Coast States. With C. F. Kinman	1739 [1] 1739	1–41 1–38
Maine—		
fur laws—		
1926–27	1515	12
1927–28	1552	11
1928–29	1576	11–12
1929–30	1618	6, 14
1930–31	1648	4, 5, 13
1931–32	1685	13
game laws—		
1926–27	1505	7, 9, 19–20, 43
1927–28	1550	20–21, 44
1928–29	1575	19–20
1929–30	1616	18–19, 44
1930–31	1647	18–19, 43
1931–32	1684	23–24, 50
1933–34	1717	17–18
1934–35	1742	15
MAINS, E. B.: Scab of Wheat and Barley and Its Control	1599	1–18
Malaria—		
of pigeons, cause, symptoms, and prevention	[1] 1652	44
prevention by mosquito eradication	1570	7, 10
Malting barley, requirements	1732 [1] 1732	2–7 2–8
Mange, in rabbits, cause, symptoms, and control	1568	3–8
Mangels—		
growing for livestock	1699	1–12
value for forage at Redfield station	1511	43
Manitoba—		
fur laws—		
1926–27	1515	23–24
1927–28	1552	23–24
1928–29	1576	23–24
1929–30	1618	26–27
1930–31	1648	26
game laws—		
1926–27	1505	38
1927–28	1550	40
1928–29	1575	39
1929–30	1616	39
1930–31	1647	39
MANSUY, MARGARET C.: Collection and Preservation of Insects for Use in Study of Agriculture	1601	1–19
Manure—		
preparation for mushroom culture	1587	8–10
use in growing—		
corn	1714	6
cucumbers	1620	4

[1] Revised.

	Farmers' Bulletin No.	Page
Manure—Continued.		
use in growing—Continued.		
lettuce	1609	4
oats in North-Central States	1581	3–4
sugar beets	1637	12
	1645	11
sweet corn	1634	4–5
See also Green manure.		
Maple products, marketing by parcel post	1551	53
Market(s)—		
city, for potatoes, and sources of supply	1578	33–44
preparation of—		
bunched beets, carrots, and turnips for. William E. Lewis	[1] 1594	1–20
eastern grapes for. B. E. Shaffer	[1] 1558	1–18
strawberries for. R. G. Hill	[1] 1560	1–22
ratproofing, recommendations	1638	18–19
reports, use in selling hay	1700	13–23
Marketing—		
agreements, farmers and parcel-post customers, adjustment	[1] 1551	16
beans, methods	1509	10
eggs, effect on profits	1524	2
farm produce by parcel post. Lewis B. Flohr	1551	1–54
	[1] 1551	1–54
Johnson hay, in Black Prairie Belt	1574	4–7
leaf lettuce, practices	1609	27–28
livestock, through cooperative shipping	1502	1–28
parcel-post—		
appearance of parcels and produce	[1] 1551	17–18
economics	1551	4–5
	[1] 1551	4–5
prices and payments	1551	12–17
produce, varieties and continuous supply	[1] 1551	18
records and correspondence	[1] 1551	9–12
trial orders	[1] 1551	8–9
potatoes, late-crop. Wells A. Sherman, George B. Fiske, and J. W. Park	1578	1–46
rabbitskins for fur	1519	9
	[1] 1519	9–10
See also under specific subject.		
Marking cattle and hogs for shipment	1502	9–10
Mare, James C.: Irrigation Practices in Growing Alfalfa. With Samuel Fortier, Harry F. Blaney, Leslie Bowen, Paul A. Ewing, M. R. Lewis, R. L. Parshall, and A. A. Young	[1] 1630	1–27
Marsh, C. Dwight: Trembles	1593	1–10
Marten, game laws, 1931–32	1685	3
Martin, J. H.: Shall I Buy a Combine? With L. A. Reynoldson and W. R. Humphries	1565	1–18
Martin, John H.—		
Broomcorn Growing and Handling. With R. S. Washburn	1631	1–37
Harvesting Grain Sorghums. With L. A. Reynoldson, B. E. Rothgeb, and W. M. Hurst	1577	1–17
Martynia, culture in farm gardens	1673	66
	[1] 1673	66
Maryland—		
fur laws—		
1926–27	1515	13
1927–28	1552	11–12
1928–29	1576	12
1929–30	1618	14
1930–31	1648	13–14
1931–32	1685	13
game laws—		
1926–27	1505	7, 8, 9, 20, 42, 43

[1] Revised.

	Farmers' Bulletin No.	Page
Maryland—Continued.		
game laws—Continued.		
1927–28	1550	21, 44
1928–29	1575	20–21
1929–30	1616	19, 44
1930–31	1647	19–20, 43–44
1931–32	1684	24, 50
1933–34	1717	18
1934–35	1742	15–16
Masks, gas, use in fumigation work with hydrocyanic acid gas	1670	19–20
MASON, HORATIO C.: The Mexican Bean Beetle in the East and Its Control. With Neale F. Howard and Loyd W. Brannon	[1] 1624	1–21
Massachusetts—		
fur laws—		
1926–27	1515	13–14
1927–28	1552	12
1928–29	1576	12
1929–30	1618	14–15
1930–31	1648	3, 5, 14
1931–32	1685	13–14
game laws—		
1926–27	1505	3, 4, 7, 20–21, 43
1927–28	1550	22, 45
1928–29	1575	21–22
1929–30	1616	19–20, 44
1930–31	1647	20–21, 44
1931–32	1684	24–25, 50
1933–34	1717	18
1934–35	1742	6, 16
MATTOON, WILBUR R.—		
Fire Safeguards for the Farm. With V. N. Valgren, Harry E. Roethe, Wallace Ashby, M. C. Betts, and William H. Rowe	[1] 1643	1–30
Growing Black Locust Trees	1628	1–14
	[1] 1628	1–30
Loblolly Pine Primer	1517	1–38
Shortleaf Pine	1671	1–44
	[1] 1671	1–44
Shortleaf Pine Primer	1534	1–42
Stop Gullies—Save Your Farm	1737	1–14
May beetles—		
description, habits, and control	1654	32
pests on cotton, control	1688	23, 26
MCATEE, W. L.—		
Improving the Farm Environment for Wild Life. With Wallace B. Grange	1719	1–62
Local Bird Refuges	1644	1–14
	[1] 1644	1–14
Propagation of Aquatic Game Birds	1612	1–41
Propagation of Game Birds	1521	1–57
Propagation of Upland Game Birds	1613	1–61
Usefulness of Birds on the Farm	1682	1–14
MCCOMAS, E. W.—		
Beef Production on the Farm. With W. H. Black	1592	1–14
	[1] 1592	1–14
The Husker-Shredder on Eastern Corn Belt Farms. With George W. Collier and W. R. Humphries	1589	1–21
MCDOWELL, J. C.—		
Dairy-Herd-Improvement Associations, and Stories the Records Tell	1604	1–21
Dairy-Herd Improvement Through Cooperative Bull Associations	1532	1–14

[1] Revised.

	Farmers' Bulletin No.	Page
McKee, Roland—		
Bur-Clover Cultivation and Utilization	1741	1–14
Summer Crops for Green Manure and Soil Improvement	1750	1–17
Vetch Culture and Uses. With H. A. Schoth	1740	1–22
Winter Legumes for Green Manure in the Cotton Belt. With A. D. McNair	1663	1–21
McLaughlin, W. W.: Irrigation of Small Grain	1556	1–14
	[1] 1556	1–14
McNair, A. D.: Winter Legumes for Green Manure in the Cotton Belt. With Roland McKee	1663	1–21
Meadows—		
clean, requirements in alfalfa growing	1539	4
Johnson grass, establishment, maintenance, and irrigation	1597	4–6
Meal—		
calf, feeding recommendations	1723	13–14
oil—		
chemical analyses	[1] 1617	13
food value for dairy cows	1626	9
Meals, for children, planning	1674	4–21
Meat (s)—		
for children, place in diet	1674	5
fresh, chilling for mailing, recommendations	[1] 1551	44–45
interstate shipment, certificates required	[1] 1551	46–48
marketing by parcel post, recommendations	1551	42–48
	[1] 1551	42–48
packing, for parcel-post shipment, recommendations	[1] 1551	45–46
parcels, marking and mailing	[1] 1551	48
rabbit, food value	[1] 1730	1–2
shrinkage in shipping by parcel post	[1] 1551	48
Medicago spp., descriptions	1741	1–2
Meginnis, H. G.: Using Soil-Binding Plants to Reclaim Gullies in the South	1697	1–18
Melampsora lini, cause of flax rust, damage and control	1728	14
Melon(s)—		
aphid, damage to cucumbers, and control	[1] 1563	15–16
	1620	11
diseases—		
control	1746	39–40
description and control	[1] 1746	39–40
insects, damage and control	1746	40
	[1] 1746	40
shipping containers, description	1579	11–14
	[1] 1579	11–13
value as subsistence crop	1746	39
	[1] 1746	39
Menus for children, suggestions	1674	11–21
Mercury, organic, use in treatment of seed wheat for bunt	1711	7–9
Meteorological instruments, for orchards, use and care	1588	56–60
	[1] 1588	59–62
Mexico—		
fur laws—		
1926–27	1515	26
1927–28	1552	26
1928–29	1576	26
1929–30	1618	30
1930–31	1648	29
1931–32	1685	29
game laws—		
1926–27	1505	6, 41
1927–28	1550	43
1928–29	1575	42
1929–30	1616	42
1930–31	1647	42

[1] Revised.

	Farmers' Bulletin No.	Page
Mexico—Continued.		
game laws—Continued.		
1931–32	1684	49
1933–34	1717	38
1934–35	1742	37
Mice—		
danger to fruit trees, and control	1522	27–28
field, poisoning	1603	11
Michigan—		
fur laws—		
1926–27	1515	14
1927–28	1552	12
1928–29	1576	12–13
1929–30	1618	5, 15
1930–31	1648	4, 14
1931–32	1685	14
game laws—		
1926–27	1505	7, 9, 21–22, 43
1927–28	1550	22–23, 45
1928–29	1575	22
1929–30	1616	20–21, 44
1930–31	1647	21, 44
1931–32	1684	25–26, 50
1933–34	1717	19
1934–35	1742	16–17
Middle West, farmhouses for, plans for low-cost families	1738	14, 69–70
Migratory Bird Hunting Stamp Act, provisions	1742	2–3
Migratory-Bird Treaty Act—		
amendments	1575	2–3
	1616	2
regulations	1742	3–4
Mildew—		
downy—		
of cucumbers, symptoms and control	[1] 1563	18
of peas, cause and control	1735	21–23
of soybean, injuries	1520	31
	[1] 1520	36
powdery—		
of peas, cause, description, and control	1735	19–21
on pecans, occurrence and injury	1672	12
of roses, cause, symptoms, and control	1547	2–3, 4–7
	[1] 1547	2–4
relation to anthracnose	1510	2–3
Milk—		
care in the home	1705	15–18
dried, manufacture, value and uses	1705	22–23
feeding to calves, recommendations	1723	8–13
for children, place in diet	1674	4–5
for family. Rowena Schmidt Carpenter	1705	1–30
for feeding infants, kinds, composition, and requirements	1705	13–14, 29
grades, description	1705	11–12
marketing by parcel post, recommendations	[1] 1551	52
nutritive value, factors	1705	2–9
production—		
and marketing in Alabama and Mississippi	1546	12–15
feeding dairy cows for	[1] 1626	1–2
for home use	1733	12–14
improvement by testing	1604	1–14, 18–19
results from feeding legume hays	1573	1–6
testing, work of dairy-herd-improvement associations	1604	1–20
products, composition and value	1705	18–24
skim, feed value for livestock	1610	3
supply, family, choosing	1705	12–14

[1] Revised.

	Farmers' Bulletin No.	Page
Milk—Continued.		
transmission of trembles—		
from rayless goldenrod	1593	9
from white snakeroot	1593	4–5, 9
uses in preparation of food	1705	24–28
utensils, farm, care of. R. J. Posson and Ralph P. Hotis	1675	1–10
Miller, Fred W.: Feeding, Care, and Management of Young Dairy Stock. With J. B. Shepherd	1723 [1] 1723	1–33 1–44
Miller, H. A.: Farm Practice with Lespedeza	1724	1–18
Miller, T. A. H.—		
Adobe or Sun-Dried Brick for Farm Buildings	1720	1–18
The Use of Logs and Poles in Farm Construction	1660	1–26
Millet—		
growing with soybeans	1520	24
varieties, growing and yield	1511	24–26
Mimms culicide, preparation and use against mosquitoes	1570	4
Mineral content, rations for dairy cows, preparation	[1] 1626	25–26
Minerals—		
functions in dairy rations, and feeding	1626 [1] 1626	3, 11–12 4–5
requirements for growing calves	1723 [1] 1723	16 23
Mink, game laws, 1931–32	1685	3
Minnesota—		
fur laws—		
1926–27	1515	14
1927–28	1552	12–13
1928–29	1576	13
1929–30	1618	6, 15–16
1930–31	1648	14–15
1931–32	1685	14–15
game laws—		
1926–27	1505	6, 7, 22, 43
1927–28	1550	23, 45
1928–29	1575	22–23
1929–30	1616	21, 44
1930–31	1647	21–22, 44
1931–32	1684	26, 50
1933–34	1717	19 20
1934–35	1742	4, 17
Mint—		
diseases and pests	1555	23–24
growing, soil and cultural requirements	1555	5–7, 10–13
harvesting and curing	1555	13–15
oil, distillation and yield	1555	16–22
oil, production, costs and consumption	1555	24–25
plants, types and description	1555	2–5
propagation and planting	1555	8–10
Mississippi—		
Black Prairie Belt—		
livestock farming systems. M. A. Crosby and R. D. Jennings	1546	1–34
preparing Johnson-hay for market in. M. A. Crosby	1574	1–20
fur laws—		
1926–27	1515	14–15
1927–28	1552	13
1928–29	1576	13
1929–30	1618	16
1930–31	1648	3, 4, 15
1931–32	1685	15
game laws—		
1926–27	1505	3,5,7,8,43
1927–28	1550	23–24, 45
1928–29	1575	23
1929–30	1616	21, 44

[1] Revised.

	Farmers' Bulletin No.	Page
Mississippi—Continued.		
game laws—Continued.		
1930–31	1647	22, 44
1931–32	1684	26–27, 50
1933–34	1717	20
1934–35	1742	17–18
Mississippi Delta, land clearing, methods	1526	9
Missouri—		
fur laws—		
1926–27	1515	15
1927–28	1552	13
1928–29	1576	13
1929–30	1618	16
1930–31	1648	15
1931–32	1685	15
game laws—		
1926–27	1505	7, 8, 23, 43
1927–28	1550	24, 45
1928–29	1575	23
1929–30	1616	22, 44
1930–31	1647	22, 44
1931–32	1684	27, 50
1933–34	1717	20
1934–35	1742	18
land clearing, method	1526	4
Mitchell, George A.: Spray Irrigation in the Eastern States. With Frederic E. Staebner	1529	1–27
Mite(s)—		
chicken, control	1508	27–28
European red—		
control by oil sprays	1676	15
control on apple trees	1666	64–66
poultry, treatment and prevention	1524	26–27
	1652	56–60
	[1] 1652	61–65
treatment for pheasants	1521	34–35
Mohler, John R.: Tick Fever	1625	1–30
Moisture—		
addition to atmosphere, devices for	1588	12
atmospheric, measurement	1588	59–60
	[1] 1588	62–63
content of—		
flaxseed	1650	15–16
grains in storage, discussion	1636	2–4, 5–6
Molasses—		
feed value for dairy cows	1626	9, 13
sugar-beet—		
feed value	1645	32
production, analysis, and uses	1718	21–25, 27–29
Moldboard plows, plowing with. Wallace Ashby and A. H. Glaves	1690	1–22
Mole (s)—		
control. James Silver and A. W. Moore	1716	1–17
distribution, description, and habits	1716	1–7
economic status	1716	7–8
enemies and control methods	1716	9–14
runways, occupancy by other mammals	1716	9
skinning, recommendations	1716	15–17
traps, types and use	1719	12–13
Moleskins, utilization, recommendations	1716	14–17
Montana—		
alfalfa haying, crew organization and management	[1] 1535	23–24
beets, infestation with nematode	1514	2
fur laws—		
1926–27	1515	15
1927–28	1552	13–14

[1] Revised.

	Farmers' Bulletin No.	Page
Montana—Continued.		
fur laws—Continued.		
1928–29	1576	13–14
1929–30	1618	16–17
1930–31	1648	16
1931–32	1685	15–16
game laws—		
1926–27	1505	7, 23, 43
1927–28	1550	24–25, 45
1928–29	1575	23–24
1929–30	1616	22, 44
1930–31	1647	23, 44
1931–32	1684	27–28, 50
1933–34	1717	20–21
1934–35	1742	18–19
haying equipment and methods	1525	23–24
potato production centers	1639	15
MONTEITH, JOHN: Anthracnose, Cause of Red Clover Failure in Southern Part of Clover Belt. With A. J. Pieters	1510	1–18
Moose, game laws, 1931–32	1684	5
MORGAN, A. C.: The Tobacco Budworm and Its Control in the Georgia and Florida Tobacco-Growing Region. With F. S. Chamberlin	1531	1–10
	[1] 1531	1–10
MORRIS, ROBERT T., method of grafting	1501	26–27
MORSE, W. J.—		
Soybean Hay and Seed Production	1605	1–13
Soybean Utilization	1617	1–28
	[1] 1617	1–28
Soybeans: Culture and Varieties. With J. L. Cartter	1520	1–34
	[1] 1520	1–40
Mosaic of—		
cucumbers, occurrence, transmission, and control	[1] 1563	17
pea, description, cause, and control	1735	23
soybean, description and effect	1520	29–30
Mosquito—		
bites, remedies	1570	5
breeding places, abolition and treatment	1570	5–8, 9–11
remedies and preventives. L. O. Howard and F. C. Bishopp	1570	1–13
traps, construction and use	1570	5
Moth(s)—		
damage to upholstered furniture	1655	1, 11–22
in upholstered furniture, control. E. A. Back and R. T. Cotton	1655	1–33
	[1] 1655	1–33
See also under host and specific name.		
Mothproofing, furniture, recommendations	1655	30–32
Motortrucks, use for shipping strawberries	[1] 1560	21
Mountain—		
beaver—		
control methods	1598	16–18
economic value	1598	15–16
food plants in Puget Sound country	1598	9–10
habits and senses	1598	5–13
habits, economic status, and control, in Pacific Northwest. Theo. H. Scheffer	1598	1–18
names, description, distribution, and habitat	1598	1–5
poisoning, directions	1598	18
trapping in the Pacific Northwest	1598	17–18
goat, game laws, 1931–32	1684	5
MOZNETTE, G. F.: Insects of the Pecan and How to Combat Them. With T. L. Bissell and H. S. Adair	1654	1–60

[1] Revised.

	Farmers' Bulletin No.	Page
Mules—		
age, determination by teeth	1721	1–7
anthrax, symptoms	1736	5
feeding soybean hay	[1] 1617	18
Mulford, Furman Lloyd: Transplanting Trees and Shrubs	1591	1–34
Mushroom(s)—		
casing, preparation	1587	12–13
culture for amateurs. Vera K. Charles	1587	1–17
diseases and insect pests	1587	14
growing, requirements	1587	2
houses, description and ventilation	1587	6–8
marketing—		
by parcel post, recommendations	1551	52
	[1] 1551	52
discussion	1587	14
nature and color	1587	3–4
nutritive value	1587	14–15
poisonous fungi, occurrence	1587	5
shipping containers, description	1579	25
	[1] 1579	24
spawn, purchase and use	1587	11–12
Muskmelon(s)—		
culture in farm garden	1673	50
	[1] 1673	50
growing in hotbeds and coldframes	1743	26
marketing by parcel post	[1] 1551	26
Muskrat, game laws—		
1926–27	1515	1–2
1931–32	1685	4
Mustard, growing in farm garden	1673	34
	[1] 1673	34
Mutton, karakul, characteristics	1632	5
Mycobacterium tuberculosis avium, cause of tuberculosis in poultry	1652	17–18
Myers, Kenneth H.—		
Adjusting Corn Belt Farming to Meet Corn-Borer Conditions	1681	1–26
Methods and Costs of Filling Silos in the North Central States	1725	1–22
Methods and Costs of Husking Corn in the Field	1715	1–18
Nash, Walter H.: Modernizing Farmhouses. With Wallace Ashby	1749	1–62
Nason, Wayne C.—		
Rural Buildings for Business and Social Uses	1622	1–38
Rural Community Fire Departments	1667	1–46
Rural Libraries	1559	1–50
Neal, David C.: Cotton Diseases and Methods of Control. With W. W. Gilbert	1745	1–34
Nebraska—		
beet infestation with nematode	1514	2
fur laws—		
1926–27	1515	15
1927–28	1552	14
1928–29	1576	14
1929–30	1618	6, 17
1930–31	1648	16
1931–32	1685	16
game laws—		
1926–27	1505	7, 23, 43
1927–28	1550	25, 45
1928–29	1575	24
1929–30	1616	23, 44
1930–31	1647	23, 44
1931–32	1684	28–29, 50

[1] Revised.

	Farmers' Bulletin No.	Page
Nebraska—Continued.		
game laws—Continued.		
1933–34	1717	21
1934–35	1742	19
haying equipment and methods	1525	25–27
northern, forage crops, culture	1511	1–46
wild hay, crew organization and management	[1] 1525	25–26
Nebraska Farmers' Shipping Association	1502	2
Necrobacillosis, in rabbits, symptoms and treatment	1568	27–28
Nematode(s)—		
control by soil steaming	1629	12
damage to peas, control	1735	17–19
disease of wheat and rye. R. W. Leukel	1607	1–12
galls—		
of rye, description	1607	3, 5, 6
of wheat, description	1607	1–3, 5, 6
root knot, injury to sugar beet	1514	6
sugar beet—		
control by crop rotation. Gerald Thorne	1514	1–20
host plants	1514	7–8
life history	1514	2–4
Nests—		
chicken, location	1508	18
poultry, recommendations	1554 [1] 1554	22–23 27–29
trap, for poultry, construction	1554	22–23
Nevada—		
fur laws—		
1926–27	1515	15–16
1927–28	1552	14
1928–29	1576	14
1929–30	1618	17
1930–31	1648	16–17
1931–32	1685	16
game laws—		
1926–27	1505	7, 9, 24, 43
1927–28	1550	25, 45
1928–29	1575	24–25
1929–30	1616	23, 44
1930–31	1647	24, 44
1931–32	1684	29, 50
1933–34	1717	21–22
1934–35	1742	19–20
potato production centers	1639	15
New Brunswick—		
fur laws—		
1926–27	1515	24
1927–28	1552	24
1928–29	1576	39
1929–30	1618	39
1930–31	1648	26–27
game laws—		
1926–27	1505	4, 38, 45
1927–28	1550	40
1928–29	1575	39
1929–30	1616	39
1930–31	1647	39
New Hampshire—		
fur laws—		
1926–27	1515	16
1927–28	1552	14–15
1928–29	1576	14–15
1929–30	1618	17–18
1930–31	1648	17
1931–32	1685	16–17

[1] Revised.

	Farmers' Bulletin No.	Page
New Hampshire—Continued.		
game laws—		
1926–27	1505	7, 9, 23–24, 43
1927–28	1550	25–26, 45
1928–29	1575	25
1929–30	1616	23–24, 44
1930–31	1647	24, 44
1931–32	1684	29–30, 50
1933–34	1717	22
1934–35	1742	20
New Jersey—		
fur laws—		
1926–27	1515	16
1927–28	1552	15
1928–29	1576	15
1929–30	1618	18
1930–31	1648	3, 17
1931–32	1685	17
game laws—		
1926–27	1505	3, 7, 9, 25, 44
1927–28	1550	26, 45
1928–29	1575	25–26
1929–30	1616	24, 44
1930–31	1647	24–25, 44
1931–32	1684	30, 50
1933–34	1717	22
1934–35	1742	4, 20–21
New Mexico—		
fur laws—		
1926–27	1515	16
1927–28	1552	15
1928–29	1576	15
1929–30	1618	18
1930–31	1648	17
1931–32	1685	17
game laws—		
1926–27	1505	4, 6, 7, 25, 44
1927–28	1550	27, 45
1928–29	1575	26
1929–30	1616	24–25, 44
1930–31	1647	25, 44
1931–32	1684	30–31, 50
1933–34	1717	22–23
1934–35	1742	21
potato, production centers	1639	15
New York—		
fur laws—		
1926–27	1515	16–17
1927–28	1552	15–16
1928–29	1576	4, 15–16
1929–30	1618	18
1930–31	1648	3, 17–18
1931–32	1685	17–18
game laws—		
1926–27	1505	4, 7, 26, 44
1927–28	1550	27–28, 45
1928–29	1575	26–27
1929–30	1616	25–26, 44
1930–31	1647	26, 44
1931–32	1684	31–32, 50–51
1933–34	1717	23–24
1934–35	1742	21–22

[1] Revised.

	Farmers' Bulletin No.	Page
NEWCOMER, E. J.: Lubricating-Oil Sprays for Use on Dormant Fruit Trees. With A. L. Quaintance and B. A. Porter	1676	1–18
Newfoundland—		
fur laws—		
1926–27	1515	26
1927–28	1552	26
1928–29	1576	26
1929–30	1618	29
1930–31	1648	29
1931–32	1685	29
game laws—		
1926–27	1505	41, 45
1927–28	1550	43, 46
1928–29	1575	42
1929–30	1616	42, 46
1930–31	1647	42, 45
1931–32	1684	48, 52
1933–34	1717	38
1934–35	1742	37
Nicotine—		
dust, use in control of—		
aphids on lettuce	1609	22
striped cucumber beetle	1620	9-10
sulphate, mixture with emulsion for control of apple aphids	1676	18
use against orchard insects	1666	24–25
Nitrogen, fixation by soybeans	1617	23–24
North, farmhouses for, plans for various types	1738	37, 45–51, 56, 66
North Carolina—		
fur laws—		
1926–27	1515	17
1927–28	1552	16
1928–29	1576	16
1929–30	1618	5, 6, 18–19
1930–31	1648	5, 18
1931–32	1685	18
game laws—		
1926–27	1505	7, 8, 9, 10, 27, 42, 44
1927–28	1550	28–29, 45
1928–29	1575	27–28
1929–30	1616	26, 44
1930–31	1647	27, 44
1931–32	1684	32, 51
1933–34	1717	24
1934–35	1742	22–23
land clearing, methods	1526	8
North-Central States—		
climate, adaptability to oat growing	1581	2–3
flaxseed production. A. C. Dillman and T. E. Stoa	1747	1–18
oats, acreage and production	1581	1–2
oats in. T. R. Stanton and F. A. Coffman	1581	1–28
silos, filling methods and costs. Kenneth H. Myers	1725	1–22
North Dakota—		
fur laws—		
1926–27	1515	17
1927–28	1552	16
1928–29	1576	16
1929–30	1618	19
1930–31	1648	18
1931–32	1685	18

[1] Revised.

	Farmers' Bulletin No.	Page
North Dakota—Continued.		
game laws—		
1926–27	1505	7, 27, 44
1927–28	1550	28–29, 45
1928–29	1575	28
1929–30	1616	26–27, 44
1930–31	1647	27–28, 44
1931–32	1684	33, 51
1933–34	1717	24–25
1934–35	1742	4, 23
Northeastern States, oats growing in. T. R. Stanton and F. A. Coffman	1659	1–18
Northern States, timber growing as money crop by farmers. W. K. Williams	1680	1–22
Northwest—		
bean growing	[1] 1509	1–16
farmhouses for, plans for various types	1738	67–68
Northwest Territories—		
fur laws—		
1926–27	1515	24
1927–28	1552	24
1928–29	1576	24
1929–30	1618	27–28
1930–31	1648	27
game laws—		
1926–27	1505	39, 45
1927–28	1550	40–41
1928–29	1575	40
1929–30	1616	39–40
1930–31	1647	39–40
Nova Scotia—		
fur laws—		
1926–27	1515	24
1927–28	1552	24–25
1928–29	1576	24–25
1929–30	1618	28
1930–31	1648	27
game laws—		
1926–27	1505	4, 6, 39, 45
1927–28	1550	41
1928–29	1575	40
1929–30	1616	40–41
1930–31	1647	40
Nuckols, S. B.: Sugar-Beet Growing Under Irrigation in the Utah-Idaho Area	1645	1–34
Nurse crops, alfalfa and sweetclover, experiments in South Dakota	1511	10–11, 15
Nursery (ies)—		
for growing Christmas trees, site selection	1664	7–8
plant preparation for transplanting	1591	2–4
stock—		
dipping for insect control	1666	32
fruit, ordering and care	1522	9–10
planting and care	1567	5–12
Nut(s)—		
marketing by parcel post, recommendations	1551 [1] 1551	52–53 52–53
seed, planting	1501	39–40
tree propagation. C. A. Reed	1501	1–46
Nutrients, digestible, requirements of dairy cows, determination	[1] 1626	21–22
Nutrition—		
good, relation to food	1674	2–7
See also Food.		

[1] Revised.

	Farmers' Bulletin No.	Page
NYSTROM, A. B.: Feeding Dairy Cows. With T. E. Woodward	1626	1–18
Oak—		
cossid, description, habits, and control	1654	46–47
pruner, habits, seasonal history and control	1654	53–54
Oat(s)—		
Burt, origin and description	1583	18
crown rust, control in shelterbelts	[1] 1603	20–21
fall-sown—		
cultivation and harvesting	1640	13–16
importance in South	1640	1–3
production. T. R. Stanton and F. A. Coffman	1640	1–20
seedbed, preparation	1640	6–7
seed, preparation for sowing	1640	7–10
fertilizer requirements	1659	2–4
Fulghum—		
origin, and strains for spring sowing	1583	17–18
value and adaptation	1583	2, 17
growing as nurse and cover crop	1659	5
harvesting—		
methods	1659	9–11
practices in North Central States	1581	22–27
with combine, adjustments	1565	2
in North Central States. T. R. Stanton and F. A. Coffman	1581	1–28
in Northeastern States. T. R. Stanton and F. A. Coffman	1659	1–18
in western half of United States. T. R. Stanton and F. A. Coffman	1611	1–22
irrigation on new land	1556	1–13
nematode disease, occurrence	1607	7
red—		
climatic adaptations	1583	2–3
spring, seedbed, preparation	1583	5–6
spring, seeding, methods and practices	1583	8–9, 19–22
spring-sown—		
T. R. Stanton and F. A. Coffman	1583	1–18
area and acreage	1583	1–3
harvesting, practices, and recommendations	1583	9–13
varieties for spring sowing	1583	13–18
Red Rust-Proof, description, and strains for spring sowing	1583	14–17
rotation with—		
other crops in Northeast	1659	4–5
sugar beets for the control of nematodes	1514	13–14
scab, effect on kernels	1599	4
seed, treatment for smut	1581	16–19
	1583	6–8
	1611	10–11
	1640	8–10
	1659	7–11
seedbed, preparation	1581	14–16
	1659	6–7
seeding, methods, rates, and dates in western United States	1611	10–13
seeding practices in North Central States	1581	19–22
soil requirements	1583	3–4
	1640	3–4
	1659	1–2
spring-sown, cultivation	1583	9
sprouters, description and use	1554	28–29
	[1] 1554	32
threshing in red-oat region	1583	13
use for hay and grazing	1640	19
value as nurse crop	1581	5–6

[1] Revised.

	Farmers' Bulletin No.	Page
Oat(s)—Continued.		
varieties—		
description and adaptability	1659	12–17
for North Central States	1581	6–14
for western United States	1611	17–22
wild, removal from grain	1542	25
winter—		
injury, causes and prevention	1640	3–4
varieties	1640	16–19
Obesity of poultry, cause and treatment	1652	21–22
Odors, kitchen, removal	1513	17
Ohio—		
fur laws—		
1926–27	1515	17
1927–28	1552	16–17
1928–29	1576	16
1929–30	1618	19
1930–31	1648	19
1931–32	1685	18–19
game laws—		
1926–27	1505	7, 8, 27–28, 44
1927–28	1550	29, 45
1928–29	1575	28
1929–30	1616	27, 44
1930–31	1647	28, 44
1931–32	1684	33, 51
1933–34	1717	25
1934–35	1742	23
Oil—		
emulsions, use in orchard insect control	1666	16–23, 29
lubricating—		
for dormant spraying, specifications	1676	3–10
sprays, use on dormant fruit trees. A. L. Quaintance, E. J. Newcomer, and B. A. Porter	1676	1–18
miscible, comparison with emulsions	1676	1–2, 10
quantities used in filling silos	1725	11, 12
use on leather shoes	1523	19
white, for summer spraying, character and use	1676	11
See also under specific kinds.		
Oklahoma—		
fur laws—		
1926–27	1515	17–18
1927–28	1552	17
1928–29	1576	17
1929–30	1618	19–20
1930–31	1648	19
1931–32	1685	19
game laws—		
1926–27	1505	7, 8, 28, 44
1927–28	1550	29–30, 45
1928–29	1575	28–29
1929–30	1616	27, 44–45
1930–31	1647	28, 44
1931–32	1684	34, 51
1933–34	1717	25
1934–35	1742	23–24
Okra—		
culture in farm gardens	1673	66
	[1] 1673	66
shipping containers, description	1579	25
	[1] 1579	25
Olives, protection from frost	1588	19
	[1] 1588	21

[1] Revised.

	Farmers' Bulletin No.	Page
OLSON, OTTO: Cigar-Tobacco Production in Pennsylvania	1580	1 22
Onion(s)—		
culture in farm gardens	1673	61–62
	[1] 1673	61–63
diseases, control	1746	17
	[1] 1746	17
group, culture in farm garden	[1] 1673	59–63
insects, control	1746	17–18
	[1] 1746	17–18
marketing by parcel post	[1] 1551	29–30
shipping containers, description	1579	25–26
	[1] 1579	25
value as subsistence crop	1746	17
	[1] 1746	17–18
Ontario—		
fur laws—		
1926–27	1515	5, 25
1927–28	1552	25
1928–29	1576	25
1929–30	1618	28
1930–31	1648	27–28
game laws—		
1926–27	1505	39–40, 45
1927–28	1550	41
1928–29	1575	40–41
1929–30	1616	40
1930–31	1647	40–41
Ooencyrtus johnsoni, parasitism on eggs of harlequin bug	1712	5
Opossums, protection	1515	3
Orange—		
groves, frost protection, costs	1588	43–44
trees, transplanting, recommendations	1591	31–34
Orchard(s)—		
cover crop(s)—		
and manures for northern Great Plains	[1] 1522	16–18
value and irrigation	1518	24
cover, lespedeza, use and value	1724	13
cultivation on northern Great Plains	[1] 1522	14–16
frost protection, methods	1588	9–44, 56–62
heating—		
effectiveness, factors	1588	14–16, 60–62
	[1] 1588	16–18, 21–23
extent and costs	1588	39–44
	[1] 1588	42–46
for frost protection, effectiveness	[1] 1588	63–65
fuels, comparative efficiency	1588	19–21
fuels, storage	1588	31–32
home—		
planting, plans	1522	43–45
pruning on northern Great Plains	[1] 1522	19–24
selection of site	1522	4–5
insect pests, controlling, insecticides, equipment, and methods. With A. L. Quantance and E. H. Siegler	1666	1–93
intercropping and irrigation on northern Great Plains	[1] 1522	18–19
irrigation—		
Samuel Fortier	1518	1–28
layouts	1518	6–10
methods	1518	10–19
on irrigated land	1518	2–4
protection from—		
frost, recommendations	[1] 1588	9–46
rabbits and mice	[1] 1522	30–32

[1] Revised.

	Farmers' Bulletin No.	Page
Orchard(s)—Continued.		
shelterbelt for, planting	1603	3–4
sites, selection on irrigated lands	1518	1–2
spraying with lubricating oils	1676	1–18
trees, transplanting, methods	1591	17, 29–31
water requirements	1518	19–22
winter protection on northern Great Plains	[1] 1522	32–34
Oregon—		
eastern, bean growing. Byron Hunter	1509	1–14
	[1] 1509	1–17
fur laws—		
1926–27	1515	18
1927–28	1552	17
1928–29	1576	17
1929–30	1618	20
1930–31	1648	19
1931–32	1685	19
game laws—		
1926–27	1505	7, 8, 28–29, 44
1927–28	1550	30, 46
1928–29	1575	29–30
1929–30	1616	28, 45
1930–31	1647	28–29, 44–45
1931–32	1684	34–35, 51
1933–34	1717	25–26
1934–35	1742	24
oat varieties for	1611	21
potatoes, production centers and planting dates	1639	16
Ornamentals, propagation	1567	46–51
Orthodichlorobenzene, use in treating beetle-infested wood	1582	18
	[1] 1582	20
Otter, game laws, 1931–32	1685	3
Outbuildings, fire protection, recommendations	[1] 1590	19–22
Owls—		
habits, protection, and trapping	1719	45–48
trapping on bird farms	1521	8–9
value in rat control	[1] 1533	19
Oyster-shell scale, control on fruit trees	1666	63–64
Pacific Coast region, oats, growing and harvesting	1611	3–22
Pacific Coast States, pear growing in. C. F. Kinman and J. R. Magness	1739	1–41
	[1] 1739	1–38
Pacific Northwest—		
Great Basin wireworm in. M. C. Lane	1657	1–9
mountain beavers, habits, economic status, and control. Theo. H. Scheffer	1598	1–18
Packard, C. M.: The Hessian Fly and How Losses From It Can Be Avoided. With W. R. Walton	1627	1–14
Packing, bunched vegetables for market	1594	6–11
Pailthorp, R. R.: Preparing Apples for Market in Barrels and Baskets. With J. W. Park	1695	1–34
Paint(s)—		
poisoning, of calves, prevention	1723	32
	[1] 1723	41–42
quick-drying, flammability and hazards	[1] 1678	5
use in control of apple-tree borers	1666	34–35
Pantry, location, discussion	1513	5–6
Paper mulch, use in farm garden	1673	25–26
	[1] 1673	25–26
Paradichlorobenzene, use—		
against insects infesting wood	1582	18
	[1] 1582	20
in control of clothes moths in upholstered furniture	1655	28–29
	[1] 1655	27–29

[1] Revised.

	Farmers' Bulletin No.	Page
Paradichlorobenzene, use—Continued.		
in soil fumigation	1666	32, 77–78
Paralysis, of poultry, cause, symptoms, and control	[1] 1652	24–26
Parasites—		
alfalfa weevil, importation and benefit	1528	11
European corn borer, study	1548	19–22
poultry—		
and diseases. John S. Buckley, Hubert Bunyea, and Eloise B. Cram	1652	1–62
	[1] 1652	1–68
control	[1] 1652	36–38
rabbit, and their control. Benjamin Schwartz	1568	2–24
See also under host.		
Parcel post—		
marketing farm produce by. Lewis B. Flohr	1551	1–54
	[1] 1551	1–54
rates, table	[1] 1551	2–3
regulations and requirements, data	1551	1–4
Paris green, use—		
against cotton bollworm	1595	11–13
in control of red harvester ants	1668	20
PARK, J. W.—		
Marketing Late-Crop Potatoes. With Wells A. Sherman and George B. Fiske	1578	1–46
Preparing Apples for Market in Barrels and Baskets. With R. R. Pailthorp	1695	1–34
Preparing Peaches for Market	1702	1–33
PARKER, EDWARD C.—		
High-Grade Alfalfa Hay: Methods of Producing, Baling, and Loading for Market	1539	1–26
High-Grade Alfalfa Hay: Methods of Producing, Baling, and Loading for Market. With W. H. Hosterman	[1] 1539	1–30
PARKER, J. R.: How to Control Grasshoppers in Cereal and Forage Crops. With W. R. Walton and R. L. Shotwell	1691	1–14
	[1] 1691	1–17
Parkings, community, utilization as bird refuges	[1] 1644	7
Parks—		
municipal, utilization as bird refuges	[1] 1644	10–12
utilization as bird refuges	1644	7–12
PARR, V. V.—		
Dehorning, Castrating, Branding, and Marking Beef Cattle. With W. H. Black	1600	1–12
	[1] 1600	1–13
Feed-lot and Ranch Equipment for Beef Cattle. With W. H. Black	1584	1–22
PARSHALL, R. L.—		
Irrigation Practices in Growing Alfalfa. With Samuel Fortier, Harry F. Blaney, Leslie Bowen, Paul A. Ewing, M. R. Lewis, James C. Marr, and A. A. Young	[1] 1630	1–27
Measuring Water in Irrigation Channels	1683	1–18
Parsley—		
culture in farm garden	1673	40, 48
	[1] 1673	40–41
turnip-rooted, culture in farm garden	[1] 1673	48
Parsnips—		
culture in farm gardens	1673	44
	[1] 1673	44–45
value as subsistence crop	1746	28
	[1] 1746	28
Partridges, Hungarian—		
propagation	1613	57–58
propagation on bird farms	1521	44
Pasmo, cause, damage, symptoms, and control	1728	14–15
	[1] 1728	16
Pasteurella cholerae gallinarum, cause of cholera in poultry	1652	14–15
Pasturage—		
feed value for dairy cows	[1] 1626	7

[1] Revised.

	Farmers' Bulletin No.	Page
Pasturage—Continued.		
requirements for growing calves	[1] 1723	22
soybeans for, value and utilization	[1] 1617	20–21
Pasture(s)—		
Johnson grass, utilization	1597	20–22
kinds and value in Alabama and Mississippi	1546	9–12
lespedeza, sowing and grazing practices	1724	6–8
reed canary grass, use and value	1602	6–7
soybean, value for livestock	1617	19–21
sweetclover, utilization	1653	7–12, 13–17
Pasturing—		
alfalfa and sweetclover, experiments	1511	12, 15–16
oats, advantages	1640	19
See also Grazing.		
Patterns, selection by home dressmaker	1530	2–3
Pea(s)—		
aphids, control measures	1746	16
	[1] 1746	16
bacterial blight, description, cause, and control	1735	7–9
containers for shipping, description and use	1579	28
culture in farm garden	1673	54
	[1] 1673	54
diseases—		
and their control. L. L. Harter, W. J. Zaumeyer, and B. L. Wade	1735	1–25
kinds, symptoms, causes, and control	1735	5–24
losses from, dissemination, and control	1735	2–5
field, growing for forage in South Dakota	1511	6–7, 16–19
industry, specialization in	1735	1
marketing by parcel post, recommendations	[1] 1551	30
mosaic, description, cause, and control	1735	23
near wilt, description, cause, and control	1735	13
pod spot disease, cause and control	1746	16
	[1] 1746	16
root knot, description, cause, and control	1735	17–19
root rots, description, causes, and control	1735	13–17
rotation with sugar beets for control of nematodes	1514	13
shipping containers, description	[1] 1579	27
value as—		
feed	1511	17
green-manure crops	1663	17–18
subsistence crop	1746	16
	[1] 1746	16
varieties, relative resistance to fusarium wilt, list	1735	12
Pea-tree, Siberian, planting for shelter	1522	6, 7
Peach(es)—		
blight, blossom injury and infection	1527	2
borer—		
damage, life history, and control	1557	8–15
lesser, infestation, life history and control	1557	29–31
brown rot and scab. John W. Roberts and John C. Dunegan	1527	1–14
cottony scale, control by sprays	1676	15
curculio, spraying and dusting for	1527	9–10
diseases and insect pests, description and control	[1] 1746	53, 54
dusting for brown rot and scab	1527	7–10, 14
hauling, loading the car, and inspection	1702	29–33
insects—		
and their control in the South. Oliver I. Snapp	1557	1–42
control measures and spray schedule	1666	76–82
losses from brown rot and scab	1527	1
marketing by parcel post, recommendations	[1] 1551	22–23
moth, oriental, damage, life history, and control	1557	24–27
mummied, sources of infection with rot and scab	1527	2–3

[1] Revised.

	Farmers' Bulletin No.	Page
Peach(es)—Continued.		
packing houses, equipment and practices	1702	6–29
picking time for market	1702	1–6
preparation for market. J. W. Park	1702	1–33
protection from scab and rots	1527	6–14
scale, West Indian, damage and control	1557	34–35
seedlings, source of peach diseases, note	1527	3
shipping containers, description	1579	26–28
	[1] 1579	25–27
susceptibility to—		
brown rot	1527	4
scab	1527	6
trees, dusting and spraying	1527	9–14
	1557	38–41
twig borer, damage, life history, and control	1557	32
value as subsistence crops	1746	51–52
	[1] 1746	52–53
use in grafting	1501	42
wild Chinese, use in grafting	1501	42
Peanut(s)—		
byproducts, use as stock feed	1656	25–27
growing. W. R. Beattie and J. H. Beattie	1656	1–29
harvesting, curing, and preparation for market	1656	14–22
oil and meal, utilization	1656	26
seeds, selection, storage, and planting	1656	7–12
value as cash crop	1656	1, 27–28
varieties for market	1656	22 24
Pear(s)—		
and apples, removing spray residue from. H. C. Diehl, J. M. Lutz, and A. L. Ryall	1687	1–32
black end, occurrence, cause, and control	[1] 1739	32
blight, cause and control	1739	33–34
	[1] 1739	31–32
cleaning methods	1687	5–21
cleaning, relation to spraying practices and maturity	1687	2–5
climatic requirements	1739	2–4
	[1] 1739	2–3
dipping tanks, construction and cost	1687	28–31
diseases and insect pests, control	1746	51
	[1] 1746	51
districts for growing, location	1739	4–20
	[1] 1739	4–20
fertilizer requirements	1739	25–26
	[1] 1739	24
frost—		
damage, temperature study	1588	44–51
marking, description and prevention	1588	50–51
	[1] 1588	52–53
growing in—		
Pacific Coast States. C. F. Kinman and J. R. Magness	1739	1–41
	[1] 1739	1–38
Pacific Coast States, future outlook	[1] 1739	38
handling and storage requirements	1739	32
	[1] 1739	30
insects—		
and diseases	1739	32–33
	[1] 1739	30–32
control measures	1666	73–75
keeping quality, effect of cleaning methods	1687	19–21
leaf blister mite, damage and control	1666	64, 73–74
	[1] 1739	30
marketing by parcel post, recommendations	1551	23
	[1] 1551	23

[1] Revised.

	Farmers' Bulletin No.	Page
Pear(s)—Continued.		
orchards—		
culture and cover crops	1739	24–25
	[1] 1739	22–23
sites, location	1739	20–22
	[1] 1739	20
pollination, studies	1739	26–27
	[1] 1739	24–25
pruning requirements	1739	27–32
	[1] 1739	25–30
psylla, control by oil sprays	1676	16–17
scab, cause and control	1739	34
	[1] 1739	32
shipping containers, description	1579	28
	[1] 1579	27
soil requirements	1739	4
	[1] 1739	4
trees—		
propagating stock, determinations	1739	22–24
	[1] 1739	20–22
smudging, effect on pollination	1588	16–19
value as subsistence crop	1746	50
	[1] 1746	50–51
varieties, growing in Pacific Coast States	1739	34–39
	[1] 1739	32–38
washing equipment, construction and costs	1687	22–31
Pecan(s)—		
aphid, black, description, habits, and control	1654	37–39
black pit, symptoms, cause, and control	1654	17–22
borer, habits, description and control	1654	48–49
bud moth, description, seasonal history, and control	1654	28–32
cigar case-bearer, range, habits, and control	1654	27–28
diseases, in Southern States. With J. B. Demaree	1672	1–28
insects—		
and how to combat them. G. F. Moznette, T. L. Bissell, and H. S. Adair	1654	1–60
spray outfit and schedule	1654	58–59
kernel spot, cause	1654	17–18, 22
leaf—		
blotch, symptoms and control recommendations	1672	7
case-bearer, description, habits, and control	1654	22–27
little leaf, description	1672	18–21
nursery blight, occurrence, symptoms, and control, recommendations	1672	9–11
nut case-bearer, damage, habits, and control	1654	1–9
propagation, methods	1501	7–11, 21, 25–26, 32, 35, 39–41
rosette, symptoms, range, and treatment	1672	14–17
scab, description, life history and control	1672	2–7
shuck worm, description, habits, and control	1654	9–13
spraying for disease control, schedule	1654	58–59
	1672	22–23
weevil, damage, description, seasonal history, and control	1654	13–17
winter injury, symptoms and control	1672	21–22
wood rots, causes and prevention	1672	13–14
Pelts, interstate shipment, regulations	1552	2–3
	1576	2–3
	1618	2–4
Pen(s)—		
calf, requirements	1723	3–4
community, for game birds	1521	42–43
scale, use in weighing beef cattle	[1] 1584	10

[1] Revised.

	Farmers' Bulletin No.	Page
Pennsylvania—		
cigar-tobacco production. Otto Olson	1580	1–22
fur laws—		
1926–27	1515	18
1927–28	1552	17–18
1928–29	1576	4, 17–18
1929–30	1618	20–21
1930–31	1648	20
1931–32	1685	19–20
game laws—		
1926–27	1505	6, 7, 29, 42, 44
1927–28	1550	30–31, 46
1928–29	1575	30
1929–30	1616	28–29, 45
1930–31	1647	29–30, 45
1931–32	1684	35, 51
1933–34	1717	26
1934–35	1742	24–25
Peppermint—		
and spearmint as farm crops. Arthur F. Sievers	1555	1–26
oil, distillation and yield	1555	16–22
Peppers—		
culture in farm garden	1673	63–64
	[1] 1673	64
growing in hotbeds and coldframes, requirements	1743	24
marketing by parcel post	1551	30
	[1] 1551	30
shipping containers, description	1579	28–29
	[1] 1579	28
value as subsistence crop	1746	36
	[1] 1746	36–37
Peronospora—		
sojae, cause of mildew on soybean	1520	31
vicíae, cause of downy mildew of peas, control	1735	21–23
Persimmon trees, hardiness	1526	11
Pests, orchard-insect, control with insecticides, equipment and methods. A. L. Quaintance and E. H. Siegler	1666	1–93
Petroleum-oil sprays, preparation and use against orchard insects	1666	16–23
Pheasants—		
diseases and parasites	1521	33–34
	1613	44–46
fancy, kinds and rearing	1613	46–48
feeding on bird farm	1521	29–32
game laws, 1931–32	1684	6–7
origin and rearing	1521	13, 14–36
propagation on farms	1521	35–36
ring-necked, origin and distribution	1521	13–14
	1613	21–22
ring-necked, propagation and care	1613	21–46
Phillips, W. J.: The Corn Earworm as an Enemy of Field Corn in the Eastern States. With George W. Barber	1651	1–18
	[1] 1651	1–18
Phlyctaena linicola, cause of pasmo, damage and control	1728	14–15
Phosphorus requirements of dairy cows, determination	[1] 1626	22–23
Phylloxera spp., gall production, and control	1654	41–42
Physalis, culture in farm gardens	1673	66
	[1] 1673	66
Pieters, A. J.: Anthracnose, Cause of Red Clover Failure in Southern Part of Clover Belt. With John Monteith	1510	1–18
Pigeon(s)—		
fly, menace to birds	[1] 1652	67
large roundworm in, occurrence and treatment	1652	52

[1] Revised.

	Farmers' Bulletin No.	Page
Pigeon(s)—Continued.		
malaria, cause, spread, symptoms, and prevention	1652	39–40, 62
strongyle, occurrence and treatment	1652	53
wing lameness, cause and treatment	1652	24
	[1] 1652	31
Pigs—		
feeding practices	1504	1–6
raising for home use	1733	14–16
Pine(s)—		
beetle, southern—		
control measures	1586	16–18
damage to trees, description	1586	3–9
description, habits, and development	1586	4–8
enemies and control measures	1586	15–16
infestation centers and range	1586	2–3
serious enemy of pines in South. R. A. St. George and J. A. Beal	1586	1–18
damage by insects	1671	42
forests, timber stands, estimation	[1] 1671	9–10
loblolly—		
description and distribution	1517	1–3
insect enemies and diseases	1517	24–25
lumber estimate	1517	7–8
primer. Wilbur R. Mattoon	1517	1–38
reforestation	1517	25–38
thinning and logging	1517	11–21
timber, production per acre	1517	10–11
use as soil binder in gully control	1697	4–8
value as crop	1517	22–23
logs, scaling directions	1671	6–9
	[1] 1671	6–9
reforestation methods	1671	26–39
seedling, growing and transplanting	1517	28–38
shortleaf—		
Wilbur R. Mattoon	1671	1–44
	[1] 1671	1–44
commercial importance, range, and description	1671	1–3
	[1] 1671	1–3
growing as a crop	1534	1–5, 15–24
	1671	1–3
growth habits and rate	1534	3–7
	1671	3–6
identification	1534	2
	1671	2–3
primer. Wilbur R. Mattoon	1534	1–42
reforestation methods	1671	26–39
seedlings, protection	1671	39–43
thinning of stands	1534	15–18
	1671	14–18
timber, cutting, selling, and profits	1534	19–26
	1671	18–26
timber production per acre	1671	10–14
timber yield	1534	12–15
southern—		
destruction by southern pine beetle	1586	2–18
protection from southern pine beetle	1586	15–18
"straw," fertilizer value	1534	37–39
	1671	42
thinning experiments	1671	14–23
timber production, per acre	1671	9–14
Pineapples—		
marketing by parcel post, recommendations	[1] 1551	23
shipping containers, description	1579	29
	[1] 1579	28

[1] Revised.

	Farmers' Bulletin No.	Page
Pipes—		
gas, installation, fireproofing	1590	18-19
	[1] 1590	19
warm-air, installation, fireproofing	1590	18
	[1] 1590	18-19
Piroplasma bigeminum, cause of tick fever in cattle	1625	3-4
Pistache, propagation	1501	42-43
Plant(s)—		
bug—		
southern green, damage to peaches and control	1557	36
tarnished, damage to peaches and control	1557	37
tarnished, pest on cotton, description and control	1688	18-19
flowering, marketing by parcel post, recommendations	[1] 1551	53
houses, electric heating, value and installation	1743	12-16
preparation for transplanting	1591	2-4
shipping by parcel post, directions	1551	53-54
size and quality for transplanting	1591	4-6
soil-binding, use to reclaim gullies in the South. H. G. Meginnis	1697	1-18
Plowing—		
clean, accessories for, recommendations	1690	3-6, 19-22
cut-over lands, difficulty, methods, and cost	1526	2-3, 11-13
dry-farming, methods in Northwest	1545	11, 13, 15
equipment, care and adjustments	1690	1-19
fall and winter, for control of cotton bollworm	1595	9
for growing—		
corn, requirements	1714	9-13
sugar beets	1645	12-14
methods for corn-borer control	1548	28-32
with moldboard plows. Wallace Ashby and A. H. Glaves	1690	1-22
Plows—		
kinds for removal of stumps and brush	1526	11-13
moldboard, plowing with. Wallace Ashby and A. H. Glaves	1690	1-22
types, description	1690	1-3
Plowshares, care and use	1690	6-8
Plum(s)—		
aphid, rusty-brown, damage, life history, and control	1557	38
curculio—		
control measures	1666	36, 67-68, 72, 77
injury to peaches, life history and control	1557	1-8
diseases and insect pests, description and control	[1] 1746	53-54
growing on northern Great Plains	[1] 1522	40-41
hybrids, growing on northern Great Plains	[1] 1522	42-45
insects, control measures	1666	36, 43, 77, 83-84
marketing by parcel post, recommendations	1551	24
shipping containers, description	1579	29-30
	[1] 1579	28-29
value as subsistence crop	1746	52-53
	[1] 1746	53
varieties for planting on northern Great Plains	1522	33-37
Plumbing, conveniences for modern farmhouses	1749	2-4
Pneumonia, in—		
calves, cause, symptoms, and remedies	1723	30
	[1] 1723	40
rabbits, symptoms and treatment	1568	28
Poison(s)—		
rat, instructions for use	1533	4-14
stomach, preparation and use	1666	6-11
See also Baits, poison.		
Poisoning—		
cotton bollworm, methods	1595	10-13
livestock, by arsenical spray, symptoms	1528	21-22

[1] Revised.

	Farmers' Bulletin No.	Page
Poke, culture in farm garden	1673	30
	[1] 1673	30
Pole(s)—		
and logs, use in farm construction. T. A. H. Miller	1660	1–26
houses, construction, recommendations	1660	10–11
peeling for prevention of boring by insects	1582	1, 17–18
	[1] 1582	19
uses in farm construction	1660	1, 4, 5, 8, 26
Polishes, shoe, merit, discussion	1523	21
Pollination, fruits, effect of smudging trees	1588	16–19
Polyneuritis, of poultry, cause, symptoms, and treatment	1652	22
	[1] 1652	4
POMEROY, C. S.: Deciduous-Fruit Improvement Through Tree-Performance Records. With A. D. Shamel	1696	1–18
Ponds, improvement for harboring wildlife	1719	28–29
Popcorn—		
Arthur M. Brunson and Carl W. Bower	1679	1–18
culture, properties, and varieties	1679	1–7
insects and diseases	1679	17
marketing, and profits	1679	14, 17
planting, cultivation, harvesting, and storage	1679	8–13
seed selection, soils, rotations, and fertilizers	1679	6–8
POPE, GEORGE W: Determining the Age of Farm Animals by Their Teeth	1721	1–14
Poplar canker, control in shelterbelts	[1] 1603	21
Porches for farmhouses, recommendations	1749	14–15, 17
Pork, production for family use	1733	14–16
PORTER, B. A.: Lubricating-Oil Sprays for Use on Dormant Fruit Trees. With A. L. Quaintance and E. J. Newcomer	1657	1–18
POSSON, R. J.: Care of Milk Utensils on the Farm. With Ralph P. Hotis	1675	1–10
Postal regulations for marketing farm produce	[1] 1551	1–4
Potato(es)—		
culture and storage	[1] 1746	12–13
diseases, control	1746	14
	[1] 1746	14
grading practices	1578	18–19
growers' association, building, plans and advantages	1622	8–10
growing in farm gardens	1673	44–45
	[1] 1673	45–46
harvesting, marketing, and storage, Western States	1639	9–10
importance—		
as subsistence crop	1746	12–13
in children's diet	1674	5
insects, control	1746	14–16
	[1] 1746	14–16
irrigation, tillage, and spraying suggestions	1639	8–9
late-crop—		
marketing. Wells A. Sherman, George B. Fiske, and J. W. Park	1578	1–46
production and prices, 1920–27	1578	8–9
production region	1578	1–2
shipments and utilization	1578	3–4
market—		
forecasting	1578	5–10
news reports, use and sources	1578	10–11
trends, 1917–25	1578	16–17
marketing—		
by parcel post, recommendations	[1] 1551	30
in Western States	1639	9–10
price(s)—		
forecasting	1578	5–10
records, use, and data for 1922–27	1578	11–13

[1] Revised.

	Farmers' Bulletin No.	Page
Potato(es)—Continued.		
production—		
far Western States. William Stuart	1639	1–17
in the Corn Belt	1681	10
rotation with sugar beets for control of nematodes	1514	13, 16
seed—		
disinfection, cutting, and care	1639	4–7
planting recommendations	1639	7–8
shipping—		
containers, description	1579	30
	[1] 1579	29
methods and rates	1578	21–23
points and market practices	1578	23–33
stocks held by growers and dealers	1578	13–15
transportation methods and rates	1578	22–23
value as subsistence crop	[1] 1746	12–13
varieties grown, far Western States	1639	3–4
See also Sweetpotatoes.		
Potts, C. G.—		
Karakul Sheep	1632	1–10
Karakul Sheep. With V. L. Simmons	[1] 1632	1–13
Poultry—		
brooder houses, kinds and requirements	[1] 1554	2–7
business, receipts and expenditures, recording	1614	4–7
crop-binding, cause, symptoms and prevention	1652	26
	[1] 1652	26–27
diseases—		
and parasites. John S. Buckley, Hubert Bunyea, and Eloise B. Cram	1652	1–62
	[1] 1652	1–68
digestive, cause, symptoms, and treatment	1652	27
prevention, control, and eradication	[1] 1652	1–4
dressed, chilling for mailing	[1] 1551	36–37
drinking stands, requirements	[1] 1554	31–32
farming, equipment, recommendations	1554	1–30
feed on—		
soybean hay	1617	19
	[1] 1617	19
soybean meal	1617	15
	[1] 1617	15
soybeans	1617	9
	[1] 1617	9, 21
house(s)—		
and fixtures. M. A. Jull and A. R. Hull	1554	1–30
	[1] 1554	1–34
artificial heat, insulation, and ventilation	[1] 1554	26–27
artificial lighting	1524	18–19
	[1] 1554	25–26
building materials and estimates	[1] 1554	20–22
construction	1524	20–22
	[1] 1554	22–25
fixtures and equipment	[1] 1554	27–33
floor and partitions, construction	[1] 1554	18–19, 23
location and site, recommendations	[1] 1554	2
ratproofing, recommendations	1638	9–11
roof, types, design	[1] 1554	13–14, 24–25
roosts and droppings boards, recommendations	[1] 1554	19–20
sanitation, recommendations	[1] 1508	27–28
housing essentials	[1] 1554	1
infectious and contagious diseases	[1] 1652	7–30
keepers, business records for. E. R. Johnson and A. R. Lee	1614	1–20

[1] Revised.

	Farmers' Bulletin No.	Page
Poultry—Continued.		
keeping in back yards. M. A. Jull and A. R. Lee	1508	1–29
	[1] 1508	1–29
	[1] 1508	1–30
laying houses, requirements and capacity	[1] 1554	7–9, 14–18
marketing by parcel post, recommendations	1551	33–39
	[1] 1551	33–39
nutritional diseases, description	[1] 1652	4–6
parasites and diseases. John S. Buckley, Hubert Bunyea, and Eloise B. Cram	1652	1–62
	[1] 1652	1–68
profits, relation to selection of fowls	1727	1–2
raising—		
M. A. Jull	1524	1–28
on subsistence homestead	1733	5, 7–8
records, keeping, directions	1614	1–19
reproductive organs, diseases, symptoms and treatment	[1] 1652	28–30
shrinkage in dressing	[1] 1551	35–36
yards and fences, requirements	1554	9
	[1] 1554	10–12
See also under specific kinds		
Powder-post beetle(s)—		
damage to log cabins, rustic work, and unseasoned wood	1582	6–7
	[1] 1582	6–7, 14
seasonal activity	1582	12
Power—		
electric, for modern farmhouses	1749	5–6
farming, methods in flaxseed production in northern Great Plains. A. C. Dillman and E. A. Starch	1650	1–17
plants—		
construction	1658	6–20
farm, dams and storage requirements	1658	12
types, use, and care	1658	2–5
requirements for harvesting with combine	1608	2
water, farm. George M. Warren	1658	1–22
Pox, of poultry, cause, symptoms, treatment, and prevention	[1] 1652	17–20
Precipitation in northern Great Plains	1522	3–4
Premises and buildings, ratproofing. James Silver, W. E. Crouch, and M. C. Betts	1638	26
Price(s)—		
farm—		
arranging for parcel-post marketing	[1] 1551	12–15
produce, parcel-post marketing	1551	12–15
information—		
sources open to farmer	1564	12–14
use in budgets	[1] 1564	12
See also under specific crops and farm products.		
Prince Edward Island—		
fur laws—		
1926–27	1515	25
1927–28	1552	25
1928–29	1576	25
1929–30	1618	28
1930–31	1648	28
game laws—		
1926–27	1505	40
1927–28	1550	42
1928–29	1575	41
1929–30	1616	41
1930–31	1647	41
Protein(s)—		
content—		
of dairy cow's feed, functions	[1] 1626	2–3
rations for dairy cows, preparation	[1] 1626	24–25

[1] Revised.

	Farmers' Bulletin No.	Page
Protein(s)—Continued.		
digestible, in legumes, cost of obtaining	1573	2–3
feeds of dairy cows, evaluation	[1] 1626	15–17
functions and requirements in feed of dairy cows	1626	2, 10
requirements of dairy cows, determination	1626	20–21
Protozoan diseases of poultry, cause, symptoms, and control	1652	29, 30, 31, 33–40
	[1] 1652	38–44
Prunes—		
marketing by parcel post, recommendations	[1] 1551	24
shipping containers, description	1579	29–30
	[1] 1579	28–29
Pruning—		
fruit trees—		
efficacy in insect control	1666	42–43
in northern Great Plains area	1522	17–22
shelterbelt trees in Northwest, recommendations	[1] 1603	18–19
trees—		
and shrubs at transplanting	1591	18–19
in shelterbelt	1603	9–10
Puccinia asparagi, cause of asparagus rust	1646	19
Pullets, selection for breeders	1524	5–7
Pullorum disease, of poultry, cause, symptoms, and prevention	1652	11–13
	[1] 1652	7–11
Pumping plant, for surface irrigation, description and operation	1635	7–19
Pumpkin(s)—		
bugs, damage to peaches and control	1557	36
culture in farm garden	1673	50–51
	[1] 1673	50–51
diseases, description and control	[1] 1746	38
growing for feed at Redfield station	1511	45
insects, description and control	1746	38–39
	[1] 1746	38–39
marketing by parcel post, recommendations	[1] 1551	30
value as subsistence crop	1746	37–39
	[1] 1746	37–38
Pumps, types and size for spray irrigation	1529	11–14
Pustule, bacterial, of soybean, cause and description	1520	29
Pyrethrum—		
extracts, use in insect control	1666	26
powder, use against mosquitoes	1570	3–4
Pyridine, crude, use in protecting wood against insects	1582	17
Quail—		
bobwhite—		
propagation and care	1613	48–57
raising on bird farms	1521	36–43
diseases—		
and parasites	1613	56–57
prevention	1521	43
feeding on bird farms	1521	40–42
game laws, 1931–32	1684	6
QUAINTANCE, A. L.—		
Insecticides, Equipment, and Methods for Controlling Orchard Insect Pests. With E. H. Siegler	1666	1–93
Lubricating-Oil Sprays for Use on Dormant Fruit Trees. With E. J. Newcomer and B. A. Porter	1676	1–18
Quarantine(s)—		
alfalfa weevil, extent	1528	10
corn-borer, extent	1548	22–23
Quebec—		
fur laws—		
1926–27	1515	25
1927–28	1552	25
1928–29	1576	25

[1] Revised.

	Farmers' Bulletin No.	Page
Quebec—Continued.		
fur laws—Continued.		
1929–30	1618	28–29
1930–31	1648	28
game laws—		
1926–27	1505	40
1927–28	1550	42
1928–29	1575	41
1929–30	1616	41
1930–31	1647	41
Quince insects, control measures	1666	36–37, 76
QUINN, J. P.: Selecting Hens for Egg Production	1727	1–18
QUISENBERRY, KARL S.: Varieties of Hard Red Winter Wheat. With J. Allen Clark	1585	1–13
Rabbit(s)—		
Angora—		
use of skins for fur	1519	2
wool production from	[1] 1730	3
breeding—		
recommendations	1730	24–31
	[1] 1730	11–14
stock, selection	[1] 1730	4–5
Chinchilla, value of skins for fur	1519	2
danger to fruit trees, and control	1522	27–28
diseases, prevention and treatment	[1] 1730	20
feeding for meat and fur, recommendations	1730	20–24
feeds and feeding, requirements	[1] 1730	6–11, 30–31
fur. *See* Fur, rabbit.		
game laws, 1931–32	1684	5
hutches, construction and types	[1] 1730	20–29
injury to soybeans	1520	33
jack, poisoning	1603	11
killing and skinning	1519	2–4
	[1] 1519	2–4
live, crating and shipping	[1] 1730	41
management practices	[1] 1730	15–20
meat—		
food value	1730	1–3
	[1] 1730	1–2
marketing, recommendations	[1] 1730	43
necrobacillosis, symptoms and treatment	1568	27–28
nest boxes, construction	[1] 1730	30
parasites and diseases. Benjamin Schwartz and W. B. Shook	1568	1–30
preparation for market	1730	31–37
production—		
Frank G. Ashbrook and Chas. E. Kellogg	1730	1–38
Geo. S. Templeton, Frank G. Ashbrook, and Chas. E. Kellogg	[1] 1730	1–49
products, preparation for market	[1] 1730	41–49
research, work of United States Rabbit Experiment Station	[1] 1730	3–4
shelters, construction	[1] 1730	36, 40
slaughtering	1730	41–42
Rabbit Experiment Station, work and equipment	1730	3–4
Rabbitry—		
construction and equipment	1730	4–18
	1730	20–40
stocking, recommendations	1730	18–20
Rabbitskins—		
curing methods	1519	4–8
	[1] 1519	4–8
	[1] 1730	45–46
for fur. D. Monroe Green	1519	1–14
	[1] 1519	1–14
fur value	1519	1–2
	[1] 1730	2–3

[1] Revised.

	Farmers' Bulletin No.	Page
Rabbitskins—Continued.		
kinds and value	1519	1–2
marketing, packing, and shipping	1519	9–10
	[1] 1519	8–10
	[1] 1730	44–47
sorting and grading	1519	8–9
	[1] 1519	8–9
stretching, drying, and preserving	1519	4–8
	[1] 1519	4–8
tanning	1519	10–12
	[1] 1519	10–12
	1730	37–38
	[1] 1730	47–49
trade names	1519	13
Raccoons—		
fur laws, 1931–32	1685	3
game laws, 1926–27	1515	3–4
Rachitis, poultry, cause and treatment	1652	22
	[1] 1652	5
Radio circuits, protection from lightning	1512	30–32
	[1] 1512	20 21, 30–32
Radish(es)—		
culture in farm gardens	1673	45–46
	[1] 1673	46
value as subsistence crop	1746	20
	[1] 1746	20
Rails, game laws, 1931–32	1684	9–10
Rain, injury to beans	1509	9
Rainfall, effect on sugar-beet growing under irrigation	1645	3
Rake(s)—		
bean, use	1509	8–9
hay, types	1525	2–3
hay, use in curing alfalfa	1539	8–10
Rams, karakul—		
crossbreeding and grading up	[1] 1632	6–9
grade, use as sires	[1] 1632	9–12
RAMSEL, C. E.: Farm Terracing	1669	1–22
Ranch and feed-lot equipment—		
for beef cattle. W. H. Black	[1] 1584	1–18
for beef cattle. W. H. Black and V. V. Parr	1584	1–22
Range—		
sheep production on. J. M. Cooper	1710	1–34
summer, for sheep, characteristics and use	1710	26–27
Rape, Dwarf Essex, growing for forage	1511	40–42
Raspberries—		
pruning, recommendations	1522	22–23
	[1] 1522	24–25
value as subsistence crops	1746	44–45
	[1] 1746	44–45
Rat(s)—		
control—		
James Silver	1533	1–2[1]
	[1] 1533	1–2[1]
community cooperation	[1] 1533	19–20
legislation	[1] 1533	20
destruction, methods and means	[1] 1533	4–18
deterrents, use	[1] 1533	18
food supply, disposal	[1] 1533	4
harbors, location and elimination	1638	3, 5, 6, 9, 10, 13, 19
natural enemies, value in control	[1] 1533	18–19
poisoning, recommendations	1533	4–14
	[1] 1533	4–10
shelters, kinds and removal	[1] 1533	2–4
trapping, instructions	1533	14 17
	[1] 1533	14–17
viruses, use, hazards	[1] 1533	17

[1] Revised.

	Farmers' Bulletin No.	Page
Ratproofing—		
buildings and premises. James Silver, W. E. Crouch, and M. C. Betts	1638	1–26
buildings, recommendations	[1] 1533	1–2
corncribs, recommendations	1701	20–21
grain storages, measures	1636	25–27
Rations—		
for beef cattle, recommendations	1549	8–10, 13
for beef cows at calving time	1592	8
for chickens, recommendations	[1] 1508	22–25
for dairy cows, purposes and requirements	1626	1–17
for livestock, use of shredded stover	1589	7
for livestock, use of sugar-beet byproducts, recommendations	1718	11, 26–29
grain—		
compounding for dairy cows	1626	10–13
for dairy cows, preparation	[1] 1626	23–26
winter, for beef calves	1592	13
Records, family budget, plans for keeping	1553	1–22
Red—		
bug, pest on cotton, description and control	1688	17–18
harvester ant and how to subdue it. V. L. Wildermuth and E. G. Davis	1668	1–22
spider, injury to—		
cotton, control studies	1688	15–16
pears	1739	33
	[1] 1739	31
Reed, C. A.: Nut-Tree Propagation	1501	1–46
Reed, I. F.: Husker-Shredders in Corn-Borer Control. With W. R. Humphries	1662	1–17
Reeves, George I.: The Control of the Alfalfa Weevil	1528	1–22
Reforestation, pine—		
shortleaf, means	1534	26–37
stands, methods	1671	26–39
Refrigeration—		
bunched vegetables in transit	1594	19
cars, for transportation of turkeys	1694	27–28
Refrigerators—		
description and placing	1513	23–24
pony, for strawberries, description and use	1560	14–15
Refuges—		
bird—		
and game, Federal legislation, 1928–29	1575	3–4
local. W. L. McAtee	1644	1–14
on farms	1644	2–3
game and wildlife, establishment and maintenance	1505	2–3
in national forests, act authorizing, approval	1742	3
wildlife—		
establishment and maintenance	1616	3–4, 5
	1684	2
Federal, extent and acquisitions	1717	2–3
Repellents, use against heel flies	1596	15–16
Reservoirs—		
farm—		
construction and maintenance	1703	4–16
legal requirements	1703	3–4
water supply and choice of site	1703	1–3
for farm use. M. R. Lewis	1703	1–17
utilization as bird refuges	1644	13
	[1] 1644	13
Retting, description of processes	1728	22–23
Reynoldson, L. A.—		
Effective Haying Equipment and Practices for Northern Great Plains and Inter-Mountain Regions. With C. D. Kinsman	1525	1–28
	[1] 1525	1–28

[1] Revised.

	Farmers' Bulletin No.	Page
REYNOLDSON, L. A.—Continued.		
Harvesting Grain Sorghums. With John H. Martin, B. E. Rothgeb, and W. M. Hurst	1577	1–17
Hay Stackers and Their Use	1615	1–22
Shall I Buy a Combine? With J. H. Martin and W. R. Humphries	1565	1–18
Rhizoctonia root rot, of sugar beet, damage and control	[1] 1637	44
Rhode Island—		
fur laws—		
1926–27	1515	18–19
1927–28	1552	18
1928–29	1576	18
1929–30	1618	21
1930–31	1648	20
1931–32	1685	20
game laws—		44
1926–27	1505	9, 29-30, 44
1927–28	1550	31, 46
1928–29	1575	30–31
1929–30	1616	29, 45
1930–31	1647	30, 45
1931–32	1684	35–36, 51
1933–34	1717	27
1934–35	1742	25
Rhubarb—		
culture in farm garden	1673 [1] 1673	30–31 30–31
marketing by parcel post, recommendations	[1] 1551	31
shipping containers, description	1579 [1] 1579	32 31
Rice, insects injurious to crop. J. W. Ingram	1543	1–17
RICHEY, FREDERICK D.—		
Corn Culture	1714	1–26
The What and How of Hybrid Corn	1744	1–14
Rickets, poultry, cause and treatment	1652 [1] 1652	22 5
Rights-of-way, attraction for birds, recommendations	1644 [1] 1644	7 7
Ringworm, in calves, symptoms and remedies	1723	30–31
Roadsides, utilization as bird refuges	1644 [1] 1644	5–7 5–7
ROBERTS, J. W.: Subsistence Farm Gardens. With W. R. Beattie, L. L. Harter, W. H. White, and D. L. Van Dine	1746 [1] 1746	1–54 1–54
ROBERTS, JOHN W.: Peach Brown Rot and Scab. With John C. Dunegan	1527	1–14
ROBINSON, B. B.: Flax-Fiber Production	1728 [1] 1728	1–26 1–29
Rocky Mountain area, oats, growing and harvesting	1611	3–21
RODENHISER, H. A.—		
Wheat Smuts and Their Control. With J. A. Faris and V. F. Tapke	1711	1–17
Wheat Smuts and Their Control. With R. W. Leukel, J. A. Faris, and V. F. Tapke	[1] 1711	1–18
Rodents, control in shelterbelt	1603	11–12
ROETHE, HARRY E.—		
Fire Safeguards for the Farm. With V. N. Valgren and M. C. Betts	1643	1–22
Fire Safeguards for the Farm. With V. N. Valgren, M. C. Betts, Wallace Ashby, William H. Rowe, and Wilbur R. Mattoon	[1] 1643	1–30
Roofing, fireproofing, recommendations	[1] 1590 1643	8–9 5–6

[1] Revised.

	Farmers' Bulletin No.	Page
Roofs—		
adobe houses, construction recommendations	1720	15–18
farm buildings, construction for fire protection	1590	7–8
	1643	5–6
poultry houses, construction	1554	9–13, 19–20
Rooms—		
curtain planning for	1516	1–38
	1633	14–19
fumigation with hydrocyanic acid gas	1670	4–5
Roosters, selection for breeders	1524	7
Roosts, chicken, construction and arrangement	1508	18
	1554	15
Root—		
crops—		
bunched, preparation for market	[1] 1594	1–19
climatic and soil requirements	1699	1–3
culture in farm garden	1673	41–48
	[1] 1673	41–48
feed value for dairy cows	1626	8
	[1] 1626	9
growing for forage	1511	42–45
growing for livestock. H. L. Westover, H. A. Schoth, and A. T. Semple	1699	1–13
knot—		
of cucumbers, symptoms and control	[1] 1563	20
	1620	13
soybean, cause and control	1520	31–32
Rose(s)—		
black spot, causes, symptoms, and control	[1] 1547	4–8
blights, symptoms and control	1547	14–15, 19
blossom blight, symptoms and control	[1] 1547	20
brand canker, cause, symptoms, and control	[1] 1547	12–13
brown canker, cause, symptoms, and control	[1] 1547	13–16
cane blight, cause, symptoms, and control	1547	14–15
	[1] 1547	16
cankers, symptoms and control	1547	11–14, 15–18
chafer—		
control on grapevines	1666	37, 86–87
poisoning, of poultry, symptoms and treatment	1652	23
	[1] 1652	33
crown canker, cause, symptoms, and control	[1] 1547	17–18
crown gall, cause, symptoms, and control	[1] 1547	19–20
diseases, causes and control. Alma M. Waterman	1547	1–20
	[1] 1547	1–21
graft canker, cause, symptoms, and control	1547	17–18
	[1] 1547	18–19
growth conditions	[1] 1547	2
leaf diseases, causes, symptoms, and control	[1] 1547	2–11
leaf spot, cause, symptoms, and control	[1] 1547	9–11
powdery mildew, cause, symptoms, and control	[1] 1547	2–4, 7–8
rust, cause, symptoms, and control	1547	7–9
	[1] 1547	8–9
stem canker, cause, symptoms, and control	[1] 1547	11–12
stem diseases, causes, symptoms, and control	[1] 1547	11–20
Rotation(s)—		
broomcorn, with other crops	1631	8
crop—		
for game-bird propagation	1521	2–3
in corn growing, recommendations	1714	4–5
in lettuce growing, value	1609	4
in potato growing, Western States	1639	2
on cigar-tobacco farms of Pennsylvania	1580	2–3
recommendations for sugar-beet growing	1645	9–10
usefulness in control of sugar-beet nematode	1514	1–20
with bur-clover, recommendations	1741	10

[1] Revised.

Rotation(s)—Continued.	Farmers' Bulletin No.	Page
flax with other crops	1650	1, 4–5, 7, 8, 11
	1728	5
	[1] 1728	6
for fall-sown oats, recommendations	1640	5–6
Johnson grass with other crops	1597	17–18
oats with other crops	1581	4–6
	1583	4
sorgo with other crops	1619	6–7
soybean, effect on crops	1520	21–22
sugar beet(s)—		
fertilizers used	[1] 1637	14–18
with other crops	1637	7–9
	[1] 1637	7–8
sweet corn, with other crops	1634	3–4
tobacco with other crops in Pennsylvania	1580	2–3
Rothgeb, B. E.: Harvesting Grain Sorghums. With John H. Martin, L. A. Reynoldson, and W. M. Hurst	1577	1–17
Roughages, relative feeding value for dairy cows, estimation	[1] 1626	20
Roundheaded borers, damage to log cabins, rustic work, and unseasoned wood	[1] 1582	8–11, 14–15
Roundworms, poultry, symptoms, life history, and control	1652	44–54
	[1] 1652	48–59
Roup—		
poultry, cause and treatment	1652	4–6
	[1] 1652	4
treatment for pheasants	1521	34
Rowe, William H.: Fire Safeguards for the Farm. With V. N. Valgren, Harry E. Roethe, Wallace Ashby, M. C. Betts, and Wilbur R. Mattoon	[1] 1643	1–30
Rural communities, fire departments. Wayne C. Nason	1667	1–46
Russell, E. Z.: Self feeding Versus Hand-Feeding Sows and Litters. With J. H. Zeller	1504	1–6
Rustic work, protection from injurious insects. R. A. St. George	[1] 1582	1–22
Rutabaga(s)—		
culture in farm garden	1673	47–48
	[1] 1673	48
growing for livestock	1699	1–12
value for forage at Redfield station	1511	43
Ryall, A. L.: Removing Spray Residue From Apples and Pears. With H. C. Diehl and J. M. Lutz	1687	1–32
Rye—		
and wheat, nematode disease. R. W. Leukel	1607	1–12
harvesting with combine, adjustment	1565	3
production in Corn Belt	1681	9
seed, treatment for control of nematodes	1607	10–11
smuts, kinds, description and control	1540	15–16
St. George, R. A.—		
Protection of Log Cabins, Rustic Work, and Unseasoned Wood From Injurious Insects	1582	1–20
	[1] 1582	1–22
The Southern Pine Beetle: A Serious Enemy of Pines in the South. With J. A. Beal	1586	1–18
Salad crops, culture in farm garden	1673	36–41
	[1] 1673	36–41
Salmonella pullorum, cause of white diarrhea of chicks	1652	10–11
		13
Salpingitis, cause, symptoms, and treatment	1652	13
Salsify—		
culture in farm gardens	1673	46
	[1] 1673	46–47
value as subsistence crop	1746	28
	[1] 1746	28

[1] Revised.

	Farmers' Bulletin No.	Page
Salt—		
common, application to soil in sugar-beet culture	[1] 1637	20–21
poisoning of poultry, symptoms and treatment	[1] 1652	33
use in barberry eradication	1544	25–26
washes, use in removing spray residues from fruit	1687	17
Salt-marsh caterpiller, pest on cotton, control	1688	20
San Jose scale—		
control by oil sprays	1676	13–14
control measures	1666	63, 71–72, 73, 74, 76, 89
infestation, life history, and control	1557	15–24
Sandburn, on pecans, nature and prevention	1672	17–18
Sanitation—		
cattle, recommendations	[1] 1592	14
hen house, recommendations	1508	11, 18–19
in breeding game birds	1612	5–6
	1613	3
in chicken raising	1538	4, 15, 27
rabbitry, recommendations	[1] 1730	19–20
Saskatchewan—		
fur laws—		
1926–27	1515	25–26
1927–28	1515	25–26
1928–29	1576	25–26
1929–30	1618	29
1930–31	1648	28–29
game laws—		
1926–27	1505	40–41, 45
1927–28	1550	42
1928–29	1575	41–42
1929–30	1616	41
1930–31	1647	41
Sassafras trees, destruction, difficulty	1526	10–11
Scab—		
cucumbers, symptoms and prevention	[1] 1563	19–20
peach, importance, cause, description, and control	1527	1, 5–14
wheat and barley and its control. James G. Dickson and E. B. Mains	1599	1–18
Scabies, depluming, of poultry, cause and control	1652	57–58
Scale—		
obscure, damage, description, habits, and control	1654	56–58
oyster-shell, control by oil sprays	1676	14
scurfy, control by oil sprays	1676	14–15
scurfy, control on apple trees	1666	64
terrapin, control by oil sprays	1676	15
Scales—		
use in weighing beef cattle	[1] 1584	10
for cattle, installation on ranch	1584	11
Scaly leg, poultry, cause, symptoms, and treatment	1521	34
	1652	59
SCHEFFER, THEO. H.: Mountain Beavers in the Pacific Northwest: Their Habits, Economic Status, and Control	1598	1–18
School grounds, use as bird refuges, recommendations	1644	12–13
SCHOTH, H. A.:		
Growing Root Crops for Livestock. With H. L. Westover and A. T. Semple	1699	1–13
Reed Canary Grass	1602	1–10
	[1] 1602	1–12
Vetch Culture and Uses. With Roland McKee	1740	1–22

[1] Revised.

	Farmers' Bulletin No.	Page
SCHWARTZ, BENJAMIN:		
Rabbit Parasites and Diseases. With W. B. Shook	1568	1–30
Rabbit Parasites and Their Control	1568	2–24
Screens—		
smoke, use in frost protection	[1]1588	13–14
use against mosquitoes	1570	2–3
Seasons, open, Federal regulations	1684	8–9
Seed—		
boxes, construction	1673	9
grain, treatment for control of nematodes	1607	10–11
pure, importance	1511	45
tree and shrub, storage	1567	3–5
See also under specific kinds.		
Seedbed(s)—		
preparation for—		
broomcorn	1631	9
flax	1650	9–10
forage crops	1511	4–6
red spring oats	1583	5–6
reed canary grass	1602	4–5
soybeans	1520	12
sweet corn	1634	6
small grain, irrigation	1556	2–3
steam-sterilized, management	1629	11
sterilization by steam, effects	1629	1–13
Seeding. *See* under specific crop.		
Seedlings, tree and shrub, planting and care	1567	5–12
Self-feeders, for cattle, construction and use	1584	3–5
SEMPLE, A. T.: Growing Root Crops for Livestock. With H. L. Westover and H. A. Schoth	1699	1–13
SENNER, ARTHUR H.: Heating the Farm Home	1698	1–18
Septicemia, hemorrhagic, in—		
calves, prevention and remedies	[1]1723	42–43
rabbits, symptoms and treatment	1568	25–26
Septoria blight, of peas, cause, description, and control	1735	19
Serum, antianthrax, production and use	1736	12
Serving table, plans for farm kitchen	1513	20–22, 25
Sesbania, common, value as summer green-manure crop	1750	10–10
Sewing, lessons in home dressmaking	1530	1–31
Shades, window—		
making in the home	1633	28–29
materials and color	1516	18–19, 36–37
types and selection	1633	10–12
SHAFFER, B. E.: Preparation of Eastern Grapes for Market	1558 [1]1558	1–18 1–18
Shallot, culture in farm gardens	1673 [1]1673	62–63 63
SHAMEL, A. D.: Deciduous-Fruit Improvement Through Tree-Performance Records. With C. S. Pomeroy	1696	1–18
Sheds—		
for beef cattle, construction	1584	1–3
hay, use	1525	14
Sheep—		
age, determination by teeth	1721	10–11
anthrax, symptoms	1736	5
dipping, recommendations	1710	25–26
feeding on—		
beet molasses, experiments	1718	23–24
beet tops, recommendations	1718	6–7, 10
dried beet pulp, experiments	1718	19–20
soybean hay	1617 [1]1617	18–19 18–19
soybeans	1617 [1]1617	9 9

[1] Revised.

	Farmers' Bulletin No.	Page
Sheep—Continued.		
feeding on—Continued.		
wet beet pulp, recommendations	1718	15–16
industry, development in range area	1710	1–2
infectious abortion, causes and control	1704	16
karakul—		
C. G. Potts and V. L. Simmons	1632	1–10
	[1] 1632	1–13
breed characteristics	1632	1
	[1] 1632	1
breeding—		
crosses and grading	1632	6–9
stock, types and value	1632	6–9
stock, utilization	[1] 1632	6
importations	1632	1
	[1] 1632	1–2
meat characteristics	1632	5
pasturing on soybeans, value	[1] 1617	21
raising, profits in Alabama and Mississippi	1546	18–22
range—		
breeding stock, selection	1710	6–10
losses, causes and control	1710	32–34
management	1710	10–27
marketing practices	1710	27–31
production. J. M. Cooper	1710	1–34
shearing on the range, recommendations	1710	21–24
types and breeds on western ranges	1710	2–6
Sheets, E. W.: Important Sugar-Beet Byproducts and Their Utilization. With A. W. Skuderna	1718	1–29
Sheldon, H. P.:		
Fur Laws for the Season 1931–32. With Frank G. Grimes	1685	1–30
Game Laws for the Season 1931–32. A Summary of Federal, State, and Provincial Statutes. With Frank G. Grimes	1684	1–52
Game Laws for the Season 1933–34. With Frank G. Grimes	1717	1–41
Game Laws for the Season 1934–35. With Frank G. Grimes	1742	1–38
Shelterbelts—		
animal pests, control in Northwest	[1] 1603	22–24
disease prevention and control	[1] 1603	20–21
importance in fruit growing	1522	5–7, 46
insect and animal pests, control	1603	10–12
insect pests, control in Northwest	[1] 1603	21–22
land for, preparation	[1] 1603	6–7
location and size for northern Great Plains	[1] 1603	1–3
planting—		
and care on northern Great Plains. Robert Wilson	1603	1–13
and care on northern Great Plains. Robert Wilson and Ernest J. George	[1] 1603	1–25
plan for northern Great Plains	[1] 1603	7–8
site, selection on northern Great Plains	[1] 1603	3–6
See also Windbreaks.		
Shepherd, J. B.:		
Dairy Farming for Beginners	1610	1–14
Feeding, Care, and Management of Young Dairy Stock. With Fred W. Miller	1723	1–33
	[1] 1723	1–44
Sherman, Wells A.: Marketing Late-Crop Potatoes. With George B. Fiske and J. W. Park	1578	1–46
Shipping—		
containers, for farm products, recommendations	1551	17–54
farm produce, by parcel post, study	1551	17–33, 36–54
See also under specific subjects.		

[1] Revised.

	Farmers' Bulletin No.	Page
Shoes—		
Army, shape and advantages	1523	11–12
cleaning and repairing	1523	16–21
fitting, importance	1523	10–15
heels, discussion of kinds	1523	8–9, 12–14
leather, selection and care. F. P. Veitch, R. W. Frey, and H. P. Holman	1523	1–22
making, including welting and turning	1523	7–8
sizes, designation	1523	9
Shook, W. B.:		
Bacterial and Other [Rabbit] Diseases	1568	25–30
Rabbit Parasites and Diseases. With Benjamin Schwartz	1568	1–30
Shot-hole borer, damage to peach trees and control	1557	27–28
Shotwell, R. L.: How To Control Grasshoppers in Cereal and Forage Crops. With J. R. Parker and W. R. Walton	1691	1–14
	[1] 1691	1–17
Shrubs—		
and trees, propagation. Guy E. Yerkes	1567	1–52
transplanting, operations	1591	2–21
Siegler, E. H.: Insecticides, Equipment, and Methods for Controlling Orchard Insect Pests. With A. L. Quaintance	1666	1–93
Sievers, Arthur F.: Peppermint and Spearmint as Farm Crops	1555	1–26
Signal systems, protection from lightning	1512	32
Silage—		
beet-top, feeding to livestock, recommendations	1718	10–11
feed value for dairy cows	1626	8
	[1] 1626	9–10
making from sweet-corn wastes	1634	19–20
preparation and value of forage crops	1511	22, 35, 39–40
soybean—		
and corn, feeding value	1520	23
preparation and value	1617	21–23
value	[1] 1617	22–23
sugar-beet, comparison with corn silage	1637	30–31
tramping, discussion	1725	11
value of reed canary grass	1602	8–9
Silos—		
construction for beef-cattle feeding	1584	10–11
filling—		
costs, study	1725	12–19
crew, organization	1725	19–21
equipment, capacity and power requirements	1725	5–7
equipment, types, cost, and ownership	1725	2–5
labor, power, and materials used	1725	7–12
methods and costs in North Central States. Kenneth H. Myers	1725	1–22
lightning protection	1512	21
	[1] 1512	21–22
types used for beef cattle, construction	[1] 1584	8–9
Silver, James:		
Mole Control. With A. W. Moore	1716	1–17
Rat Control	1533	1–21
	[1] 1533	1–21
Rat Proofing Buildings and Premises. With W. E. Crouch and M. C. Betts	1638	1–26
Silverfish—		
habits and damage	1665	1–3
life history and control	1665	3–5
pest of the household. E. A. Back	1665	1–6
Simmons, V. L.: Karakul Sheep. With C. G. Potts	[1] 1632	1–13
Sinks, farm kitchen, description and arrangement	1513	19, 25
Sirup(s)—		
marketing by parcel post, recommendations	[1] 1551	53

[1] Revised.

	Farmers' Bulletin No.	Page
Sirup(s)—Continued		
sorgo—		
manufacture, process	1619	2–3
production and value, 1920–28	1619	2–3
utilization	1619	34
Skins—		
rabbit. *See* Rabbitskins.		
raw, curing and packing	1632	4
See also Hides.		
SKUDERNA, A. W.: Important Sugar-Beet Byproducts and Their Utilization. With E. W. Sheets	1718	1–29
Skunk—		
open season, laws, 1931–32	1685	3
protection by law	1515	2
Smartweed borer, comparison with corn borer	1548	44–45
	[1] 1548	38
Smut(s)—		
cereal, control directions	1540	II
flag, of wheat—		
description and control methods	1711	14–16
	[1] 1711	16–18
range, description, and control	1540	12–15
infestation of broomcorn, and control	1631	35
loose, of wheat, description and control methods	1540	10–12
	1711	11–14
	[1] 1711	13–16
oats, control treatment	1640	8–10
rye, kinds, description and control	1540	15–16
sorghum, kinds, damage, and control	1619	36–37
stem, of rye, cause, description and control	1540	16
stinking of wheat—		
cause, description, and control	1540	2–9
description, development, and control	1711	2–11
description, development, and control	[1] 1711	2–13
wheat, kinds, description and control	1540	2–15
Snake River Basin, wheat growing, dry-farming methods and practices. Byron Hunter	1545	1–22
Snakeroot, white—		
cause of trembles	1593	3–5, 9
description, distribution, and local names	1593	5–7
SNAPP, OLIVER I.: Insects Attacking the Peach in the South and How To Control Them	1557	1–42
Snipe, Wilson's, game laws, 1931–32	1684	9
Snow trap, fruit protection, in northern Great Plains	1522	7
Soap—		
oil emulsions, use against orchard insects	1666	17–21
sprays, use against orchard insects	1666	17–20, 23–24, 28–29
Sodium—		
arsenite, use in grasshopper control	[1] 1691	7–9
carbonate, use in washing fruit	1687	12
cyanide, use in control of red harvester ants	1668	19–20
hydroxide, efficacy in removing spray residue on fruits	1687	12–13
Soil(s)—		
adaptation to popcorn growing	1679	7–8
Alabama and Mississippi, Black Prairie Belt, description	1546	1–3
amendments, use in sugar beet culture	[1] 1637	18–21
blowing, prevention in Northwest	1545	14–17
crusting, effect on sugar beet crop	1645	21
drainage, benefits	1606	1–2
fertility—		
effects of forest and brush fires	1526	8
effects of steam sterilization	1629	3
in Northwest	1545	20–22

[1] Revised.

	Farmers' Bulletin No.	Page
Soil(s)—Continued.		
fertilizing for sugar beet nematode control	1514	14–15
for lawns, preparation	1677	2–3, 4
for peanuts, selection and preparation	1656	2–3
improvement—		
by lespedeza, study	1724	8–11
by soybeans	1617	23–26
by sweetclover	1653	2–3, 13–16
soybeans for, value	[1] 1617	24–26
summer crops for. Roland McKee	1750	1–17
inoculation—		
for beans	1509	6
for green-manure growing	1750	3–4
irrigable, preparation for alfalfa growing	1630	2–4
nonblow, summer fallowing methods	1545	10–13
preparation for—		
flax growing	1650	5–9
home fruit garden	[1] 1522	8–9
lettuce growing	1609	6–7
planting winter legumes	1663	4
sorgo growing	1619	7–10
sugar beets	1637	9–12
productivity for bean growing, maintenance	[1] 1709	2
requirements and preparation for—		
cucumbers	1563 [1] 1563	3–6 2–5
potato growing in Western States	1639	2–3
requirements for—		
asparagus	1646	1–5, 7
corn growing	1714	3
fall-sown oats	1640	3–4
farm garden	[1] 1673	1–2
oats	1581	3
pear growing	1739	4
soybean	1520	4
sweet corn	1634	3–6
transplanting trees and shrubs	1590	13–14
spread of nematode disease of grain	1607	8–9, 11
steam sterilization for tobacco and other crops. James Johnson	1629	1–14
steaming, effects and methods	1629	2–11
tillage for sugar-beet production	1637 [1] 1637	3–7 9–14
treatment for control of nematodes	1607	11
types adapted for sugar-beet growing	1645	5
Soiling crop—		
value of soybeans	1617	23–26
feed value for dairy cows	1626 [1] 1626	8 7–8
Soles, shoe, cutting, tanning, and durability	1523	1–2
Sooty spot, western, on pecans, range and appearance	1672	12
Sorghum(s)—		
and Johnson grass hybrids, value	1597	23–24
grain—		
cutting with grain header	1577	6–8
drying, recommendations	1577	14–15
feed value for dairy cows	[1] 1626	15
harvesting. John H. Martin, L. A. Reynoldson, B. E. Rothgeb, and W. M. Hurst	1577	1–17
harvesting with combine, recommendations	1565	3
heading by hand	1577	3
storage, recommendations	1577	14–15
growing with soybeans, results	[1] 1520	28

[1] Revised.

	Farmers' Bulletin No.	Page
Sorghum(s)—Continued.		
midge—		
description and control	1619	38
life and seasonal history	1566	3–5
natural enemies	1566	5
suggestions for control. C. H. Gable, W. A. Baker, and L. C. Woodruff	1566	1–10
seed, insects infesting, control	1619	38
varieties and uses	1619	1
See also Broomcorn.		
Sorgo—		
byproducts from sirup-making, utilization	1619	34–36
cultural methods	1619	5–21
feed value for dairy cows	[1] 1626	15
for sirup production: Culture, harvesting, and handling. H. B. Cowgill	1619	1–38
growing for fodder and silage	1511	35–38
harvesting, time and methods	1619	21–30
juice, composition at different stages of development	1619	17, 22–23
juices, composition, effect of frost	1619	18
plant, description	1619	4–5
seed—		
feeding to livestock	1619	35
harvesting and threshing methods	1511	38
selection and planting	1619	10–15
sirup yields obtainable	1619	33–34
stripping, effect on composition of juice	1619	25–27
Sorrel, growing in farm garden	1673 [1] 1673	36 36
South—		
farmhouses for, plans for various types	1738	10–13, 15–19, 28–29, 69
gullies in, reclamation by use of soil-binding plants. H. G. Meginnis	1697	1–18
South Carolina—		
fur laws—		
1926–27	1515	19
1927–28	1552	18
1928–29	1576	18
1929–30	1618	21
1930–31	1648	3, 5, 20
1931–32	1685	20
game laws—		
1926–27	1505	4, 7, 8, 30, 42, 44
1927–28	1550	32, 46
1928–29	1575	31
1929–30	1616	30, 45
1930–31	1647	30–31, 45
1931–32	1684	36–37, 51
1933–34	1717	27
1934–35	1742	25–26
South Dakota—		
fur laws—		
1926–27	1515	19
1927–28	1552	18–19
1928–29	1576	18–19
1929–30	1618	21
1930–31	1648	21
1931–32	1685	20–21
game laws—		
1926–27	1505	30–31, 44
1927–28	1550	32, 46
1928–29	1575	31–32

[1] Revised.

South Dakota—Continued.	Farmers' Bulletin No.	Page
game laws—Continued.		
1929–30	1616	30, 45
1930–31	1647	31, 45
1931–32	1684	37, 51
1933–34	1717	27–28
1934–35	1742	26
Redfield station, soil, climate, and crops	1511	3–45
Southern States, pecan diseases in. J. B. Demaree	1672	1–28
Southwest, farmhouses for, plans for various types	1738	8–9, 20–21, 63–64
Sowing, oats, methods, time, and rate	1640	10–13
Sows and pigs, feeding methods	1504	1–6
Soy sauce, manufacture	1617	4–5
	[1] 1617	4–5
Soybean(s)—		
acreage and commercial value	1520	1–3
and soybean products, imports, 1910–28	1617	11
blights, injury and control	1520	30–31
cake, imports, quantity and value, 1913–28	[1] 1617	11
caterpillar, damage and control	1520	27–28
	[1] 1520	32
climatic adaptations and soil preferences	[1] 1520	4–5
composition at different stages of development	1605	2
cultivation and rotations	[1] 1520	23–25
culture and varieties. W. J. Morse	1520	1 34
culture and varieties. W. J. Morse and J. L. Cartter	[1] 1520	1–40
curd, preparation and value	[1] 1617	6
damage by animals	[1] 1520	39
description and history	[1] 1520	1–3
diseases, causes and control measures	1520	29–32
	[1] 1520	33–39
distribution and production	[1] 1520	3–4
drilling in grain crops, experiments	[1] 1520	28–29
feeding value	1511	19–20
food products, preparation	1617	2–6
for—		
hay, analyses and value	[1] 1617	16–19
human food, uses and value	[1] 1617	2–6
livestock, value	[1] 1617	6–9
oil, value, processing, and utilization	[1] 1617	9–12
pasturage, value and utilization	[1] 1617	20–21
silage, value	[1] 1617	22–23
soil improvement, value	[1] 1617	23–26
growing as summer green-manure crop	1750	14
growing in combinations with other crops	[1] 1520	25–28
harvesting and threshing	1511	22
	1565	3–4
	1605	6–10
hay and seed production. W. J. Morse	1605	1–13
hay, cutting, curing, and baling	1605	2–5
hogging down, experiments	[1] 1617	20–21
imports, quantity and value, 1914–28	[1] 1617	11
inoculation	1520	13–15
	[1] 1520	18–19
insect enemies, control	1520	25–28
	[1] 1520	29–33
meal, value and uses	1617	12–16
mosaic, description and effects	1520	29–30
oil—		
imports, quantity and value, 1910–28	[1] 1617	11
manufacture, and utilization	1617	9–12
production	[1] 1617	9–10
utilization	[1] 1617	12
value and uses	[1] 1617	4

[1] Revised.

	Farmers' Bulletin No.	Page
Soybean(s)—Continued.		
planting, varieties, and yields	1511	7, 19–22
pod and stem blight, cause, symptoms, and control	[1] 1520	36
processing for oil, methods	[1] 1617	11–12
production cost	[1] 1520	29
production in the Corn Belt	1681	11–12
purple spot, causes	[1] 1520	33–34
seed production, methods	1605	5–12
seed, selection factors	1520	4–5
seedbed preparation, fertilizers, and lime	[1] 1520	17–18
seeding, cultivation, and rotations	1520	15–22
seeding, time, methods, rate, and depth	[1] 1520	19–23
storage, recommendations	1605	12
straw, feeding and fertilizing value	[1] 1617	26–27
use as human food	1617	2–6
utilization. W. J. Morse	1617 [1] 1617	1–28 1–28
value as feed for livestock	1617	6–9
value for pasturage	1617	19–21
varieties—		
description	[1] 1520	7–17
selection, introduction, and recommendations	1520 [1] 1520	4–12 5–7
vegetable milk, preparation and uses	[1] 1617	5
yields of seed and straw	1605	10–11
Spearmint—		
and peppermint as farm crops. Arthur F. Sievers	1555	1–26
oil, distillation and yield	1555	16–22
Spelt, nematode galls, description	1607	3
Spilman, H. A.: Containers Used in Shipping Fruits and Vegetables. With Robert W. Davis	1579 [1] 1579	1–36 1–34
Spinach—		
aphid, description and control	1746	25
containers for shipping, description and use	1579	34
diseases, description and control	1746 [1] 1746	25 25
growing in farm gardens	1673 [1] 1673	34–35 34–35
insects, description and control	[1] 1746	25
marketing by parcel post, recommendations	[1] 1551	31
New Zealand, growing in farm garden	1673 [1] 1673	35–36 35–36
value as subsistence crop	1746 [1] 1746	25 25
Spray(s)—		
contact, use in control of clothes moths in upholstered furniture	[1] 1655	32
for orchard insects, recommendations	1666	4–5, 11–29
irrigation. *See* Irrigation, spray.		
lubricating-oil—		
classes, and dilution requirements	1676	1–2
for use on dormant fruit trees. A. L. Quaintance, E. J. Newcomer, and B. A. Porter	1676	1–18
injury to fruit trees	1676	12
mixtures with other materials, results	1676	11–12
orchard, dilution, table	1666	60–62
residue, removal from apples and pears. H. C. Diehl, J. M. Lutz, and A. L. Ryall	1687	1–32
schedule for—		
control of pecan insects	1654	59
diseases of pecans	1672	22–23
use against—		
cucumber diseases	1563	16–18

[1] Revised.

	Farmers' Bulletin No.	Page
Spray(s)—Continued.		
use against—Continued.		
heel fly	1596	15–16
mosquitoes	1570	4–5
peach insects	1557	38–41
Sprayer, high-power, for gypsy-moth control, construction	1623	19–20
Spraying—		
alfalfa weevil, time and equipment	1528	11–22
cucumber vines, for control of melon aphid	1620	11
equipment for fruit insects	1666	45–51, 52–58
fruit—		
directions and formula	1522	25–27
trees, practices, relation to problems of fruit cleaning	1687	2–4
trees, schedules	1666	71–73, 80–82, 83, 84, 89
orchards with lubricating oils	1676	1–18
peaches, for brown rot and scab	1527	7–14
pecan orchards for diseases and insect control recommendations	1672	22–27
trees, against—		
brown-tail moth, recommendations	1623	28–29
gypsy moth, recommendations	1623	19–21
Squash(es)—		
borer, damage to cucumbers, and control	[1] 1563	16–17
bugs, damage to peaches and control	1557	35
culture in farm garden	1673; [1] 1673	51; 51
diseases, description and control	[1] 1746	38
insects, description and control	1746; [1] 1746	38–39; 38–39
marketing by parcel post, recommendations	[1] 1551	30, 31
summer, growing in hotbeds and coldframes	1743	25
value as subsistence crop	1746; [1] 1746	37–39; 37–38
Squill, red, efficacy in poisoning rats	1533; [1] 1533	7–9; 7–9
Squirrel, game laws, 1931–32	1684	5–6
Stackers, hay—		
and their use. L. A. Reynoldson	1615	1–22
description	1525	5–14
kinds and operation	1615	1–22
Stacking, beans	1509	9
STAEBNER, FREDERIC E.:		
Spray Irrigation in the Eastern States. With George A. Mitchell	1529	1–27
Surface Irrigation in the Eastern States	1635	1–38
Stairs, farmhouse, improvement, recommendations	1749	9–10
Stairways, farmhouse, construction for fire protection	1590; [1] 1590	8–9; 5
STAKMAN, E. C.: The Common Barberry and Black Stem Rust. With F. E. Kempton and Lynn B. Hutton	1544	1–29
Stalk borer—		
resemblance to European corn borer	1548	44
rice, life history, damage, and control	1543	8–12
See also Cornstalk borer.		
Standardization, bunched vegetables, advantages	1594	3–5, 20
STANTON, T. R.—		
Fall-Sown Oat Production. With F. A. Coffman	1640	1–20
Oats in the North-Central States. With F. A. Coffman	1581	1–28
Oats in the Northeastern States. With F. A. Coffman	1659	1–18
Oats in the Western Half of the United States. With F. A. Coffman	1611	1–22
Spring-Sown Red Oats. With F. A. Coffman	1583	1–18
Staphylococcus aureus, cause of lameness in geese and ducks	1652	24

[1] Revised.

	Farmers' Bulletin No.	Page
STARCH, E. A.: Flaxseed Production by Power Farming Methods in the Northern Great Plains. With A. C. Dillman	1650	1–17
Starling, European—		
control measures	1571	23–26
description, life history, and food habits	1571	4–20
distribution and abundance in United States	1571	2–4
in United States. E. R. Kalmbach	1571	1–27
relation to other species of birds	1571	20–23
Steam sterilization of soil for tobacco and other crops. James Johnson	1629	1–14
Stem—		
canker of roses, cause, symptoms, and control	1547	11–12
	[1] 1547	11–12
rot, injury to soybean	1520	30
rust, black—		
and common barberry. E. C. Stakman, F. E. Kempton, and Lynn D. Hutton	1544	1–29
development, stages	1544	4–9
spread and control	1544	1–28
Sterility, cows, causes and prevention	1704	15
Sterilization—		
milk utensils, recommendations	1675	3–9
steam, of soil, for tobacco and other crops. James Johnson	1629	1–14
Stewart's corn wilt disease, damage and control	1746	33
Stinkbug(s)—		
damage to peaches, and control	1557	36
rice, description, life history, and control	1543	1–4
southern green, damage, description, habits, and control	1654	17–22
STOA, T. E.: Flaxseed Production in the North Central States. With A. C. Dillman	1747	1–18
Stomach worms, of poultry, description, life history, and control	1652	48–50
Storage(s)—		
farm bulk, for small grains. M. A. R. Kelley and E. G. Boerner	1636	1–46
grain—		
construction planning	1636	6–27, 44–45
emergency, use, and construction	1636	40–42
factors affecting	1636	2–6
labor-saving devices, recommendations	1636	42–44
small, in bulk on the farm. M. A. R. Kelley and E. G. Boerner	1636	1–46
types	1636	33–42
hay, in barns, use of stackers	1615	22
potatoes, in far Western States	1639	10
soybeans, recommendations	1605	12
See also Cold storage.		
Stover, shredded—		
feeding value and rations	1589	5–7
spoilage, prevention	1589	14
storing for winter feed	1589	12–14
use as bedding for livestock	1589	7–8
Stoves—		
and stovepipes, care, requirements for fire protection	1643	8–9
farmhouse, protection for fire prevention	[1] 1590	18
fire protection, directions	1590	17–18
heating, description and use	1698	5
kitchen, selection and arrangement	1513	16–19
Straw(s)—		
bean, uses	1509	12
food value for dairy cows	1626	7
	[1] 1626	14

[1] Revised.

	Farmers' Bulletin No.	Page
Straw(s)—Continued.		
oat, protection and utilization	1581	27
saving from combine, methods	1565	17
soybean, uses and value	1617	26–27
Strawberries—		
branding and marking	[1] 1560	17
containers and shipping packages	1560	12–17
diseases and pests, description and control	1746	44
	[1] 1746	44
frost protection, experiments	1588	34–55
grade standards	1560	7 8
	[1] 1560	7 9
grading, and classifying boxes	[1] 1560	5–7
handling, importance	[1] 1560	1
loading in cars, methods	[1] 1560	20–21
packing, practices and sheds	1560	8–12
	[1] 1560	9–12
picking, labor problem and practices	1560	2 7
	[1] 1560	1 5
preparing for market. R. G. Hill	1560	1–22
	[1] 1560	1 22
sheds, recommendations	[1] 1560	10 12, 17–20
shipping by cars and trucks	1560	20 21
	[1] 1560	21
shipping packages	[1] 1560	14–16
value as subsistence crops	1746	43 44
	[1] 1746	43–44
Strawstack, alfalfa, host of clover-seed chalcid	1642	11
Streams, improvement for harboring wildlife	1719	27 28
Streptobacillary pseudotuberculosis, infection of rabbits, symptoms and treatment	1568	28–29
STUART, WILLIAM: Potato Production in the Far Western States	1639	1–17
Stumps—		
blasting in clearing land	1526	26
burning, methods and cost	1526	14–19
clearing from land. George R. Boyd	1526	1 34
	[1] 1526	1–34
disposal methods	[1] 1526	29–33
prices	1526	32–33
pullers, operation and cost	1526	19–26
removal methods	1526	13 14
	[1] 1526	13–29
uses	1526	30–33
Subirrigation—		
alfalfa, methods and disadvantages	1630	20–21
method and value	1635	2
Subsistence farm gardens. W. R. Beattie, J. W. Roberts, L. L. Harter, W. H. White, and D. L. Van Dine	1746	1 54
	[1] 1746	1–54
Sucrose, content of sugar beets	1637	9
Sudan grass—		
growing with soybeans, yield	1520	24
growing, yield	1511	26–29
value as summer green-manure crop	1750	14–15
Sugar—		
formation in sugar beet	1637	1–2
maple, marketing by parcel post, recommendations	[1] 1551	53
Sugar beet(s)—		
aphid, distinction from nematode	1514	5
area in United States, description	[1] 1637	2
byproducts and their utilization. A. W. Skuderna and E. W. Sheets	1718	1–29
byproducts, utilization	1637	29 31
	[1] 1637	46 49
	1645	31–33

[1] Revised.

	Farmers' Bulletin No.	Page
Sugar beet(s)—Continued.		
crop, handling	1645	22–27
crops, removal of nutrients from soil, studies	[1] 1637	14
cultivation practices	1637	18–22
	[1] 1637	33–35
culture—		
in the humid area of United States. J. G. Lill	1637	1–32
	[1] 1637	1–50
machinery and labor requirements	[1] 1637	23–27
soil amendments	[1] 1637	18–21
diseases, description and control	1637	26–29
	[1] 1637	38–44
eelworm control	1514	1–20
effect on soil fertility	1637	11–12
field for, selection	1645	4–6
growing—		
climatic adaptation	[1] 1637	2–3
in United States	[1] 1637	2–49
soil preparation	[1] 1637	9–14
under irrigation in Utah-Idaho area. S. B. Nuckols	1645	1–34
harvesting practices	1637	22–26
	[1] 1637	35–37
	1645	28–31
insect enemies and control	[1] 1637	44–46
marketing, description	[1] 1637	22–23
nematode control by crop rotation. Gerald Thorne	1514	1–20
planting—		
equipment, description and use	1645	16–17
practices	[1] 1637	29–31
	1645	18–21
production—		
areas	1637	2–3
in Corn Belt	1681	9–10
pulp, production and feeding to livestock	1718	11–21
rotation with other crops, desirability	[1] 1637	7–8
seed—		
bed, preparation	1645	12–16
planting practices	1637	13–18
varieties and treatment	[1] 1637	27–29
soil requirements	[1] 1637	4–7
stand, factors affecting	1645	18–21
thinning and spacing practices	[1] 1637	31–33
tops—		
drying and siloing, practices	1718	8–10
feeding to livestock, recommendations	1718	5–11, 27–28
purchasing and handling	1718	2–5
See also Beets.		
Sugarcane—		
beetle, damage to rice, and control	1543	12–13
moth borer—		
damage to rice and control	1543	8–12
description and damage to sorgo	1619	37
Sulphur—		
dioxide, use against mosquitoes	1570	4
sprays, preparation and use against orchard insects	1666	11–16
use for spraying peaches	1527	8, 9–14
use in control of Mexican bean beetle	[1] 1624	11
Sunburn, injury to soybeans, cause	1520	31
Sunflowers, growing for silage	1511	32–33, 38–40
Swamps, cut-over, clearing and cultivating, methods and cost	1526	8–10
Swans, propagating on farms	1521	55–56

[1] Revised.

	Farmers' Bulletin No.	Page
Sweetclover—		
cause of diseases in cattle	1653	12–13, 17–18
	[1] 1653	11–12, 17
farming in Corn Belt. M. A. Crosby and L. W. Kephart	1653	1–26
	[1] 1653	1–25
hardiness, yields, and cultivation	1511	13–16
inoculation, costs and requirements	1653	3
	[1] 1653	2–3
plowing under, recommendations	1653	19–21
	[1] 1653	18–20
rotations with other crops	1653	21–25
	[1] 1653	20–24
seed production, methods	1511	16
	[1] 1653	17–18
seeding practices	1653	3–7
	[1] 1653	3–6
utilization for hay	1653	13–17
	[1] 1653	15–17
utilization for pasture	1653	7–12
	[1] 1653	6–11
value—		
as soiling crop	[1] 1653	12
as summer green-manure crop	[1] 1653	12–15
	1750	15
for honey	1653	13
	[1] 1653	12
in Corn Belt cropping systems	[1] 1653	20
to bees	[1] 1653	12
Sweetpotato(es)—		
culture in farm garden	1673	46–47
	[1] 1673	47
diseases, description and control	1746	42
	[1] 1746	42
insects, description and control	[1] 1746	42
marketing by parcel post, recommendations	[1] 1551	31–32
shipping containers, description	1579	31–32
	[1] 1579	30–31
value as subsistence crop	1746	41–42
	[1] 1746	41–42
Sweets, for children, place in diet	1674	6–7
Swine—		
feeding—		
soybean hay	[1] 1617	19
soybean meal	[1] 1617	14
soybeans	[1] 1617	7
infectious abortion, causes and control	1704	16
Swiss chard—		
damage by leaf spot, and control	[1] 1746	28
diseases and insects	1746	28
insects, description and control	[1] 1746	28
value as subsistence crop	1746	27
	[1] 1746	27–28
Tanks, watering, for cattle, construction	[1] 1584	6–7
Tanning—		
leather, for shoes	1523	2
rabbitskins, methods	1519	10–12
	[1] 1519	10–12
	1730	37–38
Tapeworms, of poultry, treatment and prevention	1652	41–44
	[1] 1652	46–48
TAPKE, V. F.—		
Smuts of Wheat and Rye and Their Control. With W. H. Tisdale	1540	1–17

[1] Revised.

	Farmers' Bulletin No.	Page
TAPKE, V. F.—Continued.		
Wheat Smuts and Their Control. With J. A. Faris and H. A. Rodenhiser	1711	1–17
Wheat Smuts and Their Control. With R. W. Leukel, J. A. Faris, and H. A. Rodenhiser	[1] 1711	1–18
TAPP, JESSE W.: Farm Practices Under Corn-Borer Conditions. With George W. Collier and C. R. Arnold	1562	1–21
Tariff Act of June 17, 1930—		
provisions regarding duty on animals, furs, and skins	1685	5–6
provisions regarding fur-bearing animals	1648	6
Teeth, animals, means of determining age. George W. Pope	1721	1–14
Telephone circuits, protection from lightning	1512 [1] 1512	3–32 20–21, 30–32
Temperature(s)—		
damaging to fruit, factors determining	1588 [1] 1588	44–56 46–59
ground surface, effect of soil and vegetation	1588	8–9
minimum, influence of soil and vegetation	[1] 1588	8–9
requirements of sugar beets	1645	2–3
TEMPLETON, GEO. S.: Rabbit Production. With Frank G. Ashbrook and Chas. E. Kellogg	[1] 1730	1–49
Tennessee—		
fur laws—		
1926–27	1515	19
1927–28	1552	19
1928–29	1576	19
1929–30	1618	21–22
1930–31	1648	21
1931–32	1685	21
game laws—		
1926–27	1505	7, 8, 31
1927–28	1550	32–33, 46
1928–29	1575	32
1929–30	1616	30–31, 45
1930–31	1647	31–32, 45
1931–32	1684	37–38, 51
1933–34	1717	28
1934–35	1742	4, 26–27
Tent caterpillar, control measures	1666	37, 70
Termites, on pecans, damage, habits, and control	1654	54–56
Terraces—		
building, recommendations	1669	14–22
level, construction	1669	8–11, 14
Mangum, construction	1669	5–8, 12, 13
Terracing, farm. C. E. Ramsel	1669	1–22
Terrapin scale, damage to peaches and control	1557 1666	34–35 76–77
Tetrameres americana, description, life history, and control	1652	48
Texas—		
fur laws—		
1926–27	1515	19
1927–28	1552	19
1928–29	1576	19
1929–30	1618	6, 22
1930–31	1648	4, 5, 21–22
1931–32	1685	21–22
game laws—		
1926–27	1505	7, 9, 31–32, 44
1927–28	1550	33–34, 46
1928–29	1575	32–33
1929–30	1616	31–32, 45
1930–31	1647	32–33, 45
1931–32	1684	38–39, 51

[1] Revised

	Farmers' Bulletin No.	Page
Texas—Continued.		
game laws—Continued.		
1933–34	1717	28–29
1934–35	1742	6, 27–28
Textiles, selection by home dressmaker	1530	2–3
Thermometers—		
for orchards, use and care	1588	56–59
incubator, types and use	1538	8
use in orchard	[1] 1588	59–62
THOMAS, W. A.: The Porto Rican Mole Cricket	1561	1–9
THOMPSON, Ross C.: Asparagus Culture	1646	1–25
	[1] 1646	1–26
THORNE, GERALD: Control of Sugar-Beet Nematode by Crop Rotation	1514	1–20
Thresher combine, operation and care	1608	1–9
Threshing—		
beans, methods and machinery	1509	10
broomcorn, machines and practices	1631	18–20
grain sorghums, recommendations	1577	11–13
oats, practices in Corn Belt	1581	26–27
soybeans, methods and machines	1605	8–10
Thrips, damage to pear	[1] 1739	31
Thrush, of poultry, cause, symptoms, and treatment	[1] 1652	23
Thurberia weevil, importance as a cotton pest	1688	4
Tick(s)—		
American dog, description, hosts, and range	1625	10
castor-bean, description and hosts	1625	8–10
cattle, eradication measures	1625	27–29
chicken, description, hosts, and range	1625	11
ear, description, hosts, and spread	1625	11
European dog, description, hosts, and range	1625	11
fever—		
John R. Mohler	1625	1–30
of cattle—		
causal organism	1625	3–4
course and infective character	1625	20–22
infection period	1625	17–18
symptoms and post-mortem appearance of organs	1625	18–20
synonyms, definition, and history	1625	2–3
harmless to cattle, description and distinction from cattle-fever tick	1625	7–12
lone star, description and hosts	1625	10–11
on poultry, treatment and prevention	1652	60–61
	[1] 1652	65–66
winter, description, hosts, and range	1625	10
Tile drainage system, planning	1606	7–13
Tile-trenching machines, kinds and costs	1606	17
Tilletia spp., cause of stinking smut	1540	2
Timber—		
as money crop, growing by farmers in Northern States	1680	1–22
farm buildings, selection and time of cutting	1660	1–3
growing on farm wood lots	1680	1–21
scaling instructions	1534	7–8
selling, recommendations	1671	23–26
standing, estimation	1534	9–12
	1671	9–10
TISDALE, W. H.: Smuts of Wheat and Rye and Their Control. With V. F. Tapke	1540	1–17
Tobacco—		
budworm—		
control in Georgia and Florida tobacco-growing region. A. C. Morgan and F. S. Chamberlin	1531	1–10
	[1] 1531	1–10
description, life history, and habits	1531	1–3
	[1] 1531	1–2
enemies and control	1531	4–9
	[1] 1531	4–9

[1] Revised.

	Farmers' Bulletin No.	Page
Tobacco—Continued.		
budworm—Continued.		
importance in Georgia and Florida	[1] 1531	1
injury to tobacco plant	1531	2–3
	[1] 1531	2–3
seasonal history and food plants	[1] 1531	3
cigar—		
production in Pennsylvania. Otto Olson	1580	1–22
types, transplanting	1580	8–9
cigar-leaf—		
curing, description of process	1580	12–13
grading and baling	1580	14–15
harvesting and curing in Pennsylvania	1580	11–13
marketing in Pennsylvania	1580	15–16
seed selection	1580	18–19
stripping and dampening	1580	13–15
cultural operations in Pennsylvania	1580	4–11
diseases—		
control by steaming soil	1629	2
prevention in Pennsylvania	1580	6–7
symptoms, transmission, and causes	1580	16–17
dust, use against orchard insects	1666	24–25
fermentation, description of process	1580	19–22
foxy disease, symptoms and cause	1580	16
growing, prevention of budworm attack	1531	8–9
marketing in Pennsylvania	1580	15–16
mosaic, symptoms and control	1580	16
protection from budworm attack	[1] 1531	8–9
root rot, cause, symptoms, and control	1580	16–17
seedbeds—		
preparation in Pennsylvania	1580	4–7
sterilization by steam	1629	1–13
sweating, description of process	1580	19–22
topping and suckering, directions	1580	10–11
Toe pecking, in poultry, cause and treatment	1652	26
	[1] 1652	32
Tomato(es)—		
culture in farm gardens	1673	64–65
	[1] 1673	64–65
diseases, description and control	1746	35
	[1] 1746	35
growing in hotbeds and coldframes, requirements	1743	23–24
insects, description and control	1746	35–36
	[1] 1746	35–36
marketing by parcel post, recommendations	[1] 1551	32–33
rotation with sugar beets for control of nematodes	1514	14, 16
shipping containers, description	1579	32–34
	[1] 1579	31–33
value as subsistence crop	1746	33–35
	[1] 1746	33–34
Tools, garden, for subsistence farming	1746	7–8
	[1] 1746	7–8
Tow, upholstery, production from flax fiber	1728	21
	[1] 1728	22–23
Towers, steel, grounding for lightning protection	[1] 1512	19
Tractor plows—		
description	1690	2
use, adjustments	1690	14–18
Transplanting trees and shrubs. Furman Lloyd Mulford	1591	1–34
Transportation, bunched vegetables, importance of loading and refrigeration	1594	14–19
Traps—		
for birds of prey, construction and use	1612	11–13
	1613	8–11
light, use in insect control	1666	38

[1] Revised.

	Farmers' Bulletin No.	Page
Traps—Continued.		
mole, types and use	1719	12–13
rat, use	[1] 1533	14–17
vermin, for use on bird farm	1521	6–9
Tree(s)—		
air requirements	1726	7
and shrubs—		
propagation. Guy E. Yerkes	1567	1–52
transplanting. Furman Lloyd Mulford	1591	1–34
banding for control of—		
codling moth	1666	35–36, 39–41
gypsy moth	1623	16–18
Christmas—		
cash crop for the farm. F. H. Eyre	1664	1–17
cultivation, care, and protection	1664	9–12
growing, harvesting, and marketing	1664	12–15
kinds and planting stock	1664	3–9
food requirements	1726	7–9
for shelterbelt—		
care before and after planting, recommendations	[1] 1603	15–19
planting, recommendations	[1] 1603	15, 16–17
species, spacing, and planting stock	1603	7–12
	[1] 1603	8–15
growth measurements	1517	4–5
heeling in, method	1603	7
injection with chemicals for prevention of borers	[1] 1582	18–19
injury to, causes and prevention	1726	9–13
lightning protection	[1] 1512	22
orchard, transplanting methods	1591	17, 29–31
nursery, production	1501	1–2
performance records, aid in deciduous-fruit improvement. A. D. Shamel and C. S. Pomeroy	1696	1–18
poisoning for removal	1526	27–29
protection from lightning	1512	22
protectors, mechanical, use in insect control	1666	35
species suitable for shelterbelts	1603	2, 5, 6
structure and life processes	1726	2–9
transplanting, essentials	1591	6–21
water requirements	1726	4–7
wounds, treatment and care. J. Franklin Collins	1726	1–38
See also under specific kinds.		
Trembles—		
C. Dwight Marsh	1593	1–10
causes, theories and study	1593	2–5, 7–9
remedies and prevention	1593	9–10
symptoms in human beings and animals	1593	1–2
Tremetol, cause of trembles in sheep	1593	9
Trichomoniasis, of poultry, cause, symptoms, and treatment	[1] 1652	43–44
Troughs—		
feed, for beef cattle, construction	[1] 1584	5
watering, construction	[1] 1584	7–8
Truck crops—		
disease control by soil steaming	1629	12
growing in hotbeds and coldframes, requirements	1743	23–28
rotation with sugar beets for the control of nematodes	1514	14, 16
Tuber-root crops, culture in farm garden	[1] 1673	41–48
Tuberculosis, avian, cause, symptoms, and prevention	1652	17–18
	[1] 1652	13–16
Tularemia, in rabbits, transmission, post-mortem evidence, and treatment	1568	27
Tumors, of poultry, treatment	1652	22
	[1] 1652	30
Turkeys—		
dressing and packing for market. Thomas W. Heitz	1694	1–29
killing, recommendations	1694	5, 6–7

[1] Revised.

	Farmers' Bulletin No.	Page
Turkeys—Continued.		
marketing, recommendations	1694	3–5, 18–28
wild—		
game laws, 1931–32	1684	7
propagation and feeding	1613	59–60
propagation on bird farms	1521	45–46
Turnips—		
beets, and carrots, bunched, preparation for market. William E. Lewis	1594	1–22
	[1] 1594	1–20
culture, directions	1673	47–48
greens, culture, directions	1673	36
growing for livestock	1699	1–12
use for forage at Redfield station	1511	43–44
Turpentine—		
beetle, description, habits, and damage	1586	11, 13
distillation from stumps	1526	32–33
Twig girdler, damage to pecans, description, habits, and control	1654	49–53
Tylenchus tritici, infestation of wheat and rye	1607	1–11
Typhoid, of poultry, cause, symptoms and control	1652	16
	[1] 1652	13
Underdrainage, methods and relative advantages	1606	6–7
United States—		
grape districts and varieties. George C. Husmann	1689	1–33
sugar-beet culture in humid area. J. G. Lill	[1] 1637	1–50
United States Rabbit Experiment Station, work and equipment	[1] 1730	3–4
Upper Mississippi River Wild Life and Fish Refuge, establishment and purpose	1505	2
Urocystis—		
occulta, cause of stem smut of rye	1540	16
tritici, cause of—		
flag smut of wheat	1540	13
loose smut of wheat	1540	10
Utah—		
beets, infestation with nematode	1514	1
fur laws—		
1926–27	1515	20
1927–28	1552	19
1928–29	1576	19–20
1929–30	1618	22–23
1930–31	1648	22
1931–32	1685	22
game laws—		
1926–27	1505	7, 8, 32, 44
1927–28	1550	34, 46
1928–29	1575	33
1929–30	1616	32–33, 45
1930–31	1647	33, 45
1931–32	1684	39, 51
1933–34	1717	29–30
1934–35	1742	28
potatoes, production centers	1639	16
Utah-Idaho area, sugar-beet growing under irrigation. S. B. Nuckols	1645	1–34
Utensils, milk, care on farm. R. J. Posson and Ralph P. Hotis	1675	1–10
Vaccination—		
against anthrax, procedure	1736	11–12
cattle, against contagious abortion, results	1704	12–13
Valance(s)—		
boards, types and use	1633	20–21
kinds and uses	1516	16–19, 32–35
making, recommendations	1633	9–10, 27–28

[1] Revised.

	Farmers' Bulletin No.	Page
VALGREN, V. N—		
Fire Safeguards for the Farm. With Harry E. Roethe and M.C. Betts	1643	1–22
Fire Safeguards for the Farm. With Harry E. Roethe, M. C. Betts, Wallace Ashby, William H. Rowe, and Wilbur R. Mattoon	[1] 1643	1–30
VAN DINE, D. L.: Subsistence Farm Gardens. With W. R. Beattie, J. W. Roberts, L. L. Harter, and W. H. White	1746 [1] 1746	1–54 1–54
Vats, cattle-dipping, construction	[1] 1584	17
Veal production, feeding dairy calves for	1723	25–26
Vegetable(s)—		
and fruits, containers used in shipping. H. A. Spilman and Robert W. Davis	1579	1–36
bunched—		
containers, loading, and refrigeration	[1] 1594	14–17
grading, advantages	1594	3–5, 20
importance and producing areas	[1] 1594	1
inspection	[1] 1594	18–19
loading on refrigerator cars	1594	14–19
market demands and inspection	1594 [1] 1594	19–21 17–19
packing and package ice	[1] 1594	8–14
preparation for market	1594	1–22
types, varieties, and harvesting	[1] 1594	2
canning and storing at home	1673 [1] 1673	27 27
cultural practices in subsistence farming	1746 [1] 1746	12–13 12
disease control by soil steaming	1629	12
fibers, immunity to attack by clothes moths	[1] 1655	9–11
foliage-type, shipping containers for	[1] 1579	33
for children, place in diet	1674	5–6
garden—		
canning for home use	1733	10–12
production on subsistence homestead	1733	4–6, 7, 10
grading, bunching, and washing	[1] 1594	5–8
growing in hotbeds and coldframes, requirements	1743	23–28
marketing by parcel post, recommendations	1551 [1] 1551	18, 24–33 24–33
perennial, culture in farm garden	1673 [1] 1673	27–31 27–31
protection from frost	1588 [1] 1588	10, 12, 34 10–13, 36–37
root—		
harvesting, grading, and bunching	1594	2–6
marketing by parcel post, recommendations	[1] 1551	31
shipping containers for	[1] 1579	34
seeds, planting dates	1673	14–23
shipping containers. H. A. Spilman and Robert W. Davis	1579 [1] 1579	1–36 1–34
watering in hotbeds and coldframes, recommendations	1743	22–23
VEITCH, F. P.: Leather Shoes, Selection and Care. With R. W. Frey and H. P. Holman	1523	1–22
Velvetbean—		
caterpillar, damage to soybeans, and control	[1] 1520	31–32
Deering (Florida), value as green-manure crop	1750	15–16
Vent, gleet, of poultry, symptoms and treatment	1652	25–26
Ventilation—		
grain storages, recommendations	1636	24–25
hotbeds and coldframes, recommendations	1743	22
methods for farm kitchens	1513	8–9, 17
mushroom houses, importance	1587	8
poultry houses	[1] 1554	26–27
Vermin, protection of game birds from	1613	4–8

[1] Revised.

	Farmers' Bulletin No.	Page
Vermont—		
fur laws—		
1926–27	1515	20
1927–28	1552	20
1928–29	1576	20
1929–30	1618	23
1930–31	1648	22–23
1931–32	1685	22–23
game laws—		
1926–27	1505	33–34, 44
1927–28	1550	34–35, 46
1928–29	1575	33–34
1929–30	1616	33, 45
1930–31	1647	33–34, 45
1931–32	1684	39–40, 51
1933–34	1717	30
1934–35	1742	28–29
Verticillium wilt of cotton, symptoms, cause, and control	1745	12–14
Vetch(es)—		
chemical analyses	1740	8
climatic requirements	1740	7, 13
commercial—		
uses	1740	7–8
varieties, in United States	1740	19–22
cultural requirements	1740	8–12
culture and uses. Roland McKee and H. A. Schoth	1740	1–22
description and identification	1740	1–6
fertilizer requirements	1740	12
fungous diseases	1740	18
harvesting practices	1740	13–15
inoculation requirements	1740	12–13
insect and nematode pests	1740	18–19
resemblances in	1740	6–7
seed, care and preparation	1740	16–17
use as rotation crop	1740	17–18
value as green manure crops	1663	12–17
Viemont, Bess M.: Window Curtaining	1633	1–30
Vinall, H. N.: The Production of Johnson Grass for Hay and Pasturage. With M. A. Crosby	1597	1–26
Vine crops, culture in farm garden	1673	48–54
	[1] 1673	48–52
Vineyards—		
planting and cultural methods	1689	6–8
site selection	1689	4–8
Virginia—		
fur laws—		
1926–27	1515	20–21
1927–28	1552	20
1928–29	1576	4, 20–21
1929–30	1618	23–24
1930–31	1648	3, 4, 5, 23
1931–32	1685	23
game laws—		
1926–27	1505	5, 6, 7, 8, 9, 33, 44
1927–28	1550	35, 46
1928–29	1575	34–35
1929–30	1616	33–34, 45
1930–31	1647	34–35, 45
1931–32	1684	40–41, 51
1933–34	1717	30–32
1934–35	1742	6, 29–30

[1] Revised.

	Farmers' Bulletin No.	Page
Viruses, use in rat destruction	1533	17
Vitamin(s)—		
content of—		
alfalfa hay	[1] 1539	7
dairy cow's feed, functions	[1] 1626	5–6
milk, function and occurrence	1705	6–9, 28–29
feeding to calves, recommendations	1723	16–17
requirements—		
for growing calves	[1] 1723	23–24
of cattle	1626	3
WADE, B. L.: Pea Diseases and Their Control. With L. L. Harter and W. J. Zaumeyer	1735	1–25
Wading vats, inefficacy against cattle grubs	1596	16
Walls—		
coatings, for adobe houses, recommendations	1720	12–15
farmhouse, repairing, recommendations	1749	11–12
kitchen, finishing	1513	11
Walnut(s)—		
black, grafting stock	1501	40, 41
California black, grafting stock	1501	40
caterpillar, description, habits, and control	1654	34–37
Japanese, grafting stock	1501	40
Persian, propagation	1501	19, 21, 25, 27, 35, 40
WALTON, W. R.—		
Earthworms as Pests and Otherwise	1569	1–14
How To Control Grasshoppers in Cereal and Forage Crops. With J. R. Parker and R. L. Shotwell	1691	1–14
	[1] 1691	1–17
The Hessian Fly and How Losses From It Can Be Avoided. With C. M. Packard	1627	1–14
Warbles, in rabbits, cause and treatment	1568	11
Warehouses, ratproofing, recommendations	1638	19–20
WARREN, GEORGE M.—		
Farm Water Power	1658	1–22
Making Cellars Dry	1572	1–29
Warts, on calves, prevention and remedies	1723	31
	[1] 1723	40–41
WASHBURN, R. S.: Broomcorn Growing and Handling. With John H. Martin	1631	1–37
Washington—		
eastern, bean growing. Byron Hunter	1509	1–14
	[1] 1509	1–17
fur laws—		
1926–27	1515	21
1927–28	1552	21
1928–29	1576	21
1929–30	1618	24
1930–31	1648	23–24
1931–32	1685	23–24
game laws—		
1926–27	1505	4, 5, 34, 44
1927–28	1550	35–36, 46
1928–29	1575	35
1929–30	1616	34–35, 45
1930–31	1647	35–36, 45
1931–32	1684	41–42, 51
1933–34	1717	32–33
1934–35	1742	30–31
oat varieties for	1611	21
potatoes, production centers	1639	16

[1] Revised.

	Farmers' Bulletin No.	Page
Water—		
content of dairy cow's feed, functions	[1] 1626	4
cost and measurement for orchards	1518	4–6
ground, rise, effects on irrigated alfalfa	1630	25–26
	[1] 1630	25–26
in irrigation channels, measuring. R. L. Parshall	1683	1–18
power—		
development, information necessary	1658	21–22
farm. George M. Warren	1658	1–22
farm, estimates	1658	11
machinery, description and costs	1658	13–21
quantity required by orchards	1518	19–22
requirements for alfalfa irrigation	1630	21–25
sources for spray irrigation	1529	4–5
supply, farm need, estimation	1658	7–11
surface, screening for irrigation	1529	16–17
uses and requirements of animals	1626	3
vapor, atmospheric, effect on rate of air cooling	1588	4–6
weevil, rice, damage, description, life history, and control	1543	4–8
Waterfowl—		
capture, permits	1742	7
game laws, 1931–32	1684	9
migratory, propagation and sale regulations	1505	42–45
	1647	43 45
open seasons under Federal regulations	1616	6–7
Watering—		
tanks and troughs, for cattle, construction and use	1584	6–8
troughs, for beef cattle, construction	[1] 1584	7–8
Waterman, Alma M.: Rose Diseases: Their Causes and Control	1547	1–20
	[1] 1547	1–21
Watermelon, culture in farm garden	1673	51–52
	[1] 1673	51–52
Waterproofing, grain storages, recommendations	1636	22–23
Weather—		
conditions—		
effect on combine harvesting	1565	13–14
favoring cereal scab and seedling blight	1599	10–13
damage to alfalfa hay, prevention	1539	4–5
effects on stem rust	1544	18–19
protection for farmhouses, recommendations	1749	7
relation to hessian fly and its control	1627	7–9
Webworm—		
fall, description, habits, and control	1654	32–34
garden, pest on cotton, description and control	1688	19–20, 26
Weed(s)—		
control in alfalfa fields	1722	27
control in oat fields	1611	13
eradication from hay fields	1511	9–10, 14–15
occurrence and control in Johnson-grass meadows	1597	16–17
seeds—		
cause of dockage in grain	1542	1–9
destruction by steaming of soil	1629	2–3
removal from grain	1542	11–26
value in green manuring	1750	16
Weirs, types, construction and operation	1683	1–17
Wells, R. W.: Cattle Grubs or Heel Flies, With Suggestions for Their Control. With F. C. Bishopp and E. M. Laake	1596	1–22
West Virginia—		
fur laws—		
1926–27	1515	21
1927–28	1552	21

[1] Revised.

	Farmers' Bulletin No.	Page
West Virginia—Continued.		
fur laws—Continued.		
1928–29	1576	21
1929–30	1618	24
1930–31	1648	24
1931–32	1685	24
game laws—		
1926–27	1505	7, 34, 44
1927–28	1550	36, 46
1928–29	1575	35–36
1929–30	1616	35, 45
1930–31	1647	36, 45
1931–32	1684	42, 51
1933–34	1717	33
1934–35	1742	31
Western States, far, potato production. William Stuart	1639	1–17
Western United States, oats in. T. R. Stanton and F. A. Coffman	1611	1–22
WESTOVER, H. L.—		
Alfalfa Varieties in United States	1731	1–14
Growing Alfalfa	1722	1–30
Growing Root Crops for Livestock. With H. A. Schoth and A. T. Semple	1699	1–13
Planting and Care of Lawns. With C. R. Enlow	1677	1–18
Wheat—		
Acme, description	1706	8
and rye, nematode disease. R. W. Leukel	1607	1–12
Arnautka, description	1706	7–8
Barnatka, description	1706	12
Blackhull, description, origin, and value	1585	7–8
breeding for smut resistance	1540	9
Ceres, origin and value	1621	18–20
club, varieties. J. Allen Clark and B. B. Bayles	1708	1–11
common white, varieties. J. Allen Clark and B. B. Bayles	1707	1–22
damage by Great Basin wireworm	1657	1–3
durum—		
price, market	1706	3–4
range, adaptation, and uses	1706	1–3
varieties. J. Allen Clark	1706	1–13
varieties, description	1706	4–12
Garnet, origin and value	1621	10
growing, Columbia and Snake River Basins, dry-farming methods and practices. Byron Hunter	1545	1–22
hard red—		
spring—		
acreage, distribution	1621	2–3
varieties. J. Allen Clark	1621	1–26
winter—		
acreage, and climatic adaptation	1585	1–2
varieties. J. Allen Clark and Karl S. Quisenberry	1585	1–13
harvesting with combines, difficulties	1565	2
Haynes Bluestem, origin, description, and value	1621	13–14
Hope, origin and value	1621	20–22
Humpback, description, origin, and value	1621	25
Huston, description, origin, and value	1621	21
injury by hessian fly, description	1627	3–5
irrigation on new land	1556	1–13
Java, description, origin, and value	1621	22
Kahla, description	1706	12
Kanred, description, origin, and value	1585	6–7
Kharkof, description, origin, and yields	1585	5–6
Kinney, description and value	1621	12
Kitchener, description, origin, and value	1621	9
Kota, description, origin, and value	1621	17–18
Kubanka, description	1706	4–6
Ladoga, description, origin, and value	1621	23

	Farmers' Bulletin No.	Page
Wheat—Continued.		
loose smut, description and control methods	1711	11–14
losses from—		
dockage	1542	3, 4–7, 9
smut infection	[1] 1711	1–2
Marquillo, origin and value	1621	10–12
Marquis, description, origin, and value	1621	5–6
Mindum, description	1706	6–7
Monad, description	1706	8–9
Nodak, description	1706	9
Peliss, description	1706	11
Pentad, description	1706	9–11
Power, description, origin, and value	1621	7
Prelude, description, origin, and value	1621	23–25
Preston, description, origin, and value	1621	15–17
production, in Corn Belt	1681	7–9
Progress, origin and value	1621	22
Red Bobs, description, origin, and value	1621	7–9
Red Fife, description, origin, and acreage	1621	6–7
Reliance, origin and value	1621	20
Reward, origin and value	1621	14–15
rotation with—		
beans, effect on soil	1509	2–3
sugar beets for control of nematodes	1514	13, 16, 17
Ruby, description, origin, and value	1621	9–10
scab and barley scab, control. James G. Dickson and E. B. Mains	1599	1–18
scab-resistant varieties, development	1599	16–17
seed—		
cleaning and treatment for bunt	1711	6–9
disinfection for control of Great Basin wireworm	1657	8
scabbed, cleaning and treatment	1599	15
treatment for—		
control of nematodes	1607	10–11
smut control	1540 1711 [1] 1711	4–9, 10–12 18 14
seeding, dry-farming methods	1545	17–19
smuts—		
and their control—		
J. A. Faris, V. F. Tapke, and H. A. Rodenhiser	1711	1–17
R. W. Leukel, J. A. Faris, V. F. Tapke, and H. A. Rodenhiser	[1] 1711	1–18
annual loss to wheat	[1] 1711	1–2
kinds, description, and control	1540	2–15
spring, growing as mixed crop with flax	1747	14–15
stem rust, spread and control	1544	1–28
storage in bulk on the farm	1636	1–45
Supreme, origin, description, and value	1621	10
Turkey, names, description, and acreage distribution	1585	3–5
varieties, resistance to smut	1540	9, 12, 15
white, varieties, description, history, and value	1707	1–22
yield, comparison with flax	1650	2–3
yields, methods of increasing in Northwest	1545	4–9
Whey, feed value for livestock	1610	3
WHITE, W. H.—		
Subsistence Farm Gardens. With W. R. Beattie, J. W. Roberts, L. L. Harter, and D. L. Van Dine	1746 [1] 1746	1–54 1–54
The Harlequin Bug and Its Control. With L. W. Brannon	1712	1–10
Whitewash, formula and use in insect control	1666	35
WIEBE, G. A.: Growing Barley for Malt and Feed. With H. V. Harlan	[1] 1732	1–18
WILCOX, WALTER W.: Planning a Subsistence Homestead	1733	1–20
WILDERMUTH, V. L.—		
Chalcid Control in Alfalfa-Seed Production	1642	1–14

[1] Revised.

	Farmers' Bulletin No.	Page
WILDERMUTH, V. L.—Continued.		
The Red Harvester Ant and How to Subdue It. With E. G. Davis	1668	1–22
Wildfire, of tobacco, control measures	1580	6–7
Wildfowl, refuge areas, restoration program	1742	1–2
Wildlife—		
cover for on farm, management, development, and problem of pests	1719	9–26
crop environment and farm practices	1719	29–33
diseases, infectious and parasitic, prevention and control	1719	53–54
farm cover for, nature, types, and appraisal	1719	4–9
farm, environment for, improvement. Wallace B. Grange and W. L. McAtee	1719	1–62
food supply and protection on the farm	1719	33–55
marsh and water areas for, improvement	1719	26–29
refuges. *See* Refuges.		
Wildlife Coordination Act, provisions	1742	3
WILLIAMS, J. O.: Farm Horseshoeing. With Henry Asmus	1535	1–13
WILLIAMS, W. K.: Farmers in Northern States Grow Timber as Money Crop	1680	1–22
Willow canker, control in shelterbelts	[1] 1603	21
WILSON, H. L.: Making American Cheese on the Farm for Home Consumption	1734	1–18
WILSON, ROBERT:		
Planting and Care of Shelter Belts on the Northern Great Plains	1603	1–13
Planting and Care of Shelterbelts on the Northern Great Plains. With Ernest J. George	[1] 1603	1–25
Wilt, bacterial, of cucumbers, cause and control	1620	12
Wind—		
effect on sugar-beet growing under irrigation	1645	4
protection of home fruit garden from, on northern Great Plains	1522 [1] 1522	5–7 6–8
Windbreaks—		
building on range	[1] 1584	3–4
for cattle, construction	1584	3
uses and advantages	1719	16–21
See also Shelterbelts.		
Windmills, grounding for lightning protection	[1] 1512	19
Windows—		
adobe construction, recommendations	1720	11
curtaining—		
application of art principles	1633	1–7
Bess M. Viemont	1633	1–30
Mary Allen Davis	1516	1–38
shutters, for farmhouses, recommendations	1749	17
special types, curtains for, planning and hanging	1633	12–14
Wires, overhead, entering building, lightning protection	[1] 1512	20–21
Wireworms—		
infestation of sugar beets, control	1637	29
pests on cotton, control	1688	25–26
Wisconsin—		
fur laws—		
1926–27	1515	21–22
1927–28	1552	21–22
1928–29	1576	21–22
1929–30	1618	25
1930–31	1648	24
1931–32	1685	24
game laws—		
1926–27	1505	7, 9, 34–35, 44
1927–28	1550	36–37, 46
1928–29	1575	36
1929–30	1616	35–36, 45

[1] Revised.

	Farmers' Bulletin No.	Page
Wisconsin—Continued.		
game laws—Continued.		
1930–31	1647	36, 45
1931–32	1684	42–43, 51
1933–34	1717	33–34
1934–35	1742	4, 31–33
Women's rest buildings, county, erection and management	1622	16–18
Wood(s)—		
borers, damage to log cabins, rustic work, and unseasoned wood	[1] 1582	6–12
chemical treatments for prevention of boring by insects	[1] 1582	16–19
chesnut—		
blight-killed, utilization	1641	13–15
deterioration due to blight, tests	1641	11–13
cutting for prevention of boring by insects	[1] 1582	15–16
fires, damage to farm, causes and prevention	[1] 1643	19–24
infested by borers, chemical treatment, recommendations	[1] 1582	20–21
kinds used for cabins, rustic work, and certain wood products	1582; [1] 1582	1–2; 1–2
lot(s)—		
farm, handling for benefit of wildlife	1719	11–16
farm, in Northern States, profits	1680	1–21
small, possibilities on subsistence homestead	1733	17
use as bird refuges	1644; [1] 1644	3–5; 3–5
products, from pine stands, yields	1671	15–18
rots, of pecans, causes and prevention	1672	13–14
stumps, prices	1526	32–33
treatment for insect infestation	1582	18–19
unseasoned, damage by beetles and grubs	[1] 1582	1
unseasoned, protection from injurious insects. R. A. St. George	1582; [1] 1582	1–20; 1–22
Woodcock, game laws, 1931–32	1684	7, 10
Woodhouse, Chase G.: Planning and Recording Family Expenditures	1553	1–22
Woodlands, farm, value for growing timber	1680	1–21
Woodruff, L. C.: The Sorghum Midge, With Suggestions for Control. With C. H. Gable and W. A. Baker	1566	1–10
Woodward, T. E.—		
Feeding Dairy Cows. With A. B. Nystrom	1626	1–18
Feeding Dairy Cows	[1] 1626	1–34
Woodwork—		
kitchen, finishing	1513	11–12
rustic, protection from injurious insects	1582	1–19
Wool—		
fabrics, infestation by clothes moths	[1] 1655	11–23
karakul—		
description and uses	1632	4–5
prices	1632	5
quality studies	[1] 1632	5
production from Angora rabbits	[1] 1730	3
range clip, marketing	1710	30–31
Worms in—		
poultry, and resultant diseases	1652	40–54
rabbits, species, symptoms, and prevention	1568	16–22
See also under hosts and specific names.		
Worthley, L. H.: The European Corn Borer: Its Present Status and Methods of Control. With D. J. Caffrey	1548	1–48
Wry neck, in rabbits, cause and treatment	1568	8
Wyoming—		
fur laws—		
1926–27	1515	22
1927–28	1552	22
1928–29	1576	22
1929–30	1618	25

[1] Revised.

	Farmers' Bulletin No.	Page
Wyoming—Continued.		
fur laws—Continued.		
1930–31	1648	24–25
1931–32	1685	24–25
game laws—		
1926–27	1505	7, 35–36, 45
1927–28	1550	37–38, 46
1928–29	1575	36–37
1929–30	1616	36, 45
1930–31	1647	36–37, 45
1931–32	1684	43, 51
1933–34	1717	34
1934–35	1742	33
potatoes, production centers	1639	16
Yards, back, poultry keeping in. M. A. Jull and A. R. Lee	[1] 1508	1–30
Yarn, linen, spinning and utilization	1728	26
YERKES, GUY E.: Propagation of Trees and Shrubs	1567	1–52
YOUNG, A. A.: Irrigation Practices in Growing Alfalfa. With Samuel Fortier, Harry F. Blaney, Leslie Bowen, Paul A. Ewing, M. R. Lewis, James C. Marr, and R. L. Parshall	[1] 1630	1–27
YOUNG, FLOYD D.: Frost and the Prevention of Frost Damage	1588	1–62
	[1] 1588	1–66
Yukon—		
fur laws—		
1926–27	1515	26
1927–28	1552	26
1928–29	1576	26
1929–30	1618	29
1930–31	1648	29
game laws—		
1926–27	1505	41, 45
1927–28	1550	43
1928–29	1575	42
1929–30	1616	42
1930–31	1647	42
ZAUMEYER, W. J.—		
Bean Diseases and Their Control. With L. L. Harter	1692	1–28
Pea Diseases and Their Control. With L. L. Harter and B. L. Wade	1735	1–25
ZELLER, J. H.: Self-Feeding Versus Hand-Feeding Sows and Litters. With E. Z. Russell	1504	1–6

[1] Revised.

○